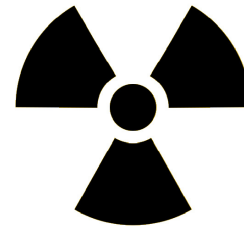


EMERGENCY PROCEDURES FOR RADIOACTIVE MATERIALS USERS



Office of Radiation Safety - Department of Environment, Health & Safety
University of Wisconsin—Madison
30 East Campus Mall Madison, WI 53715
<https://ehs.wisc.edu/radiation-safety/>

Phone: (608) 262-3600 Email: RadiationSafety@wisc.edu

- A. Theft or loss of any ionizing radiation source:**
- Notify the Office of Radiation Safety (ORS) immediately
- B. Accidents which involve radioactive material:**
(e.g. dusts, mists, fumes, vapors, or gases)
- Turn off all fans, evacuate the room immediately, and close the door
 - Contact ORS as soon as safely possible
- C. Fire or explosions with radioactive materials:**
- Activate the building fire alarm and call 911
 - Notify other persons in the immediate area and evacuate
 - Contact ORS as soon as safely possible
- D. Minor spill if:**
- Activity of 100 μCi or less, AND
 - Beta/gamma emitter only, AND
 - Spill does not occur in unrestricted/public area
- Contact ORS if uncomfortable continuing
 - Advise others and restrict access to the area
 - Utilize proper PPE to stop the spill
 - Confine the spill with absorbent material
 - Check for contamination using appropriate meter, begin to decontaminate with commercial solution, working from the outside of the spill towards the inside, to avoid the spread of contamination
 - Check all persons for contamination
 - Retain all materials used for decontamination
- E. Major spill if:**
- More than 100 μCi of beta/gamma emitter, OR
 - Any activity of alpha emitter, OR
 - Spill occurs in unrestricted/public area
- You must contact ORS as soon as safely possible
 - Advise others and restrict access to the area
 - Involved parties must remain present until ORS arrives
 - Utilize proper PPE to stop the spill
 - Confine the spill with absorbent material
 - Check all persons for contamination using an appropriate meter
 - ORS will direct cleanup efforts
 - Retain all materials used for decontamination
- F. Personal Contamination**
- Radioactive material on personal clothing
 - Radioactive material on body (hair, skin, eyes, etc)
 - Intake of radioactive material (injection, inhalation, ingestion, or absorption)
- You must contact ORS as soon as safely possible
 - If spill is on clothing, remove contaminated clothing, as appropriate
 - If skin is contaminated immediately wash with mild soap and water, careful not to abrade skin
 - If eyes are contaminated, use eye wash for 15 minutes minimum
 - For serious injury, assist the injured person and seek medical attention
 - Retain all material used for decontamination
 - Involved parties must remain present until ORS arrives

NOTIFICATION IN CASE OF RADIATION EMERGENCY

Call **(608) 262-3600** during normal business hours (8:00 am — 5:00 pm Monday through Friday)

Dial **911** after normal business hours to report radiation emergencies or thefts