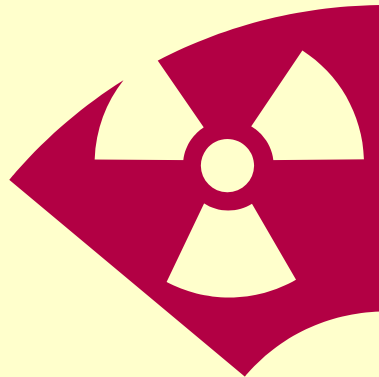


Radiation Safety Awareness Training

Radiological and Environmental
Management



Who is this training for?

- **Radiation Safety Awareness Training** is for IPFW employees who may potentially come into contact with radiological materials in some aspect of their job tasks, but are not certified radiation users.*

*Certified radiation users must attend **Radiation Safety Training** through REM and must be approved by the Purdue Univ. Radiation Safety Officer for authorization to handle any radioactive materials.

What is the purpose of this training?

- To educate employees who may potentially come into contact with radiological materials in some aspect of their job task, but are not certified radiation users.
- To give these employees a basic understanding of the hazards that radiation possess.

What is the purpose of this training?

- To educate IPFW employees on how to protect themselves from radiation hazards.
- To teach all IPFW employees what to do in case of an emergency involving radioactive materials.

What is Radiation?

- **The emission and transmission of energy through space or through a material medium and also the radiated energy itself.**
- There are several types of radiation, both natural and man-made.
 - Alpha radiation
 - Beta radiation
 - Gamma radiation
 - Lasers
 - X-rays
 - UV light

What is Radiation?

- Radiation occurs naturally in the environment.
 - Sunlight
 - Minerals
 - Radon gas
- Radioactive materials are used in commonly sold products, energy production & in the medical field.
 - Watches & Signs
 - Nuclear power plants
 - X-rays
 - Cancer treatment

Safety

- Radiation safety in Indiana is controlled by Indiana Dept. of Environmental Management (IDEM), and by the Nuclear Regulatory Commission (NRC).
- The NRC and IDEM function to protect ALL persons who work with radioactivity or could potentially come into contact with it.

Safety

- REM must train & authorize ANYONE that will be working with radioactive materials.
- Individuals learn proper use, storage, and disposal techniques for the radioactive materials they will be using.

Safety

- REM regularly surveys all areas where radioactive materials are used to ensure a clean & safe work environment for everyone!
- ALL radioactive materials, equipment, and waste MUST be clearly labeled as **RADIOACTIVE!!!**

**Any radioactive items should be
easy to identify!!**

Your Job as IPFW Employees

- As non-radiation using staff, you should **NEVER** handle anything that is labeled as being radioactive!
- While performing your job tasks, the potential of coming into contact with radioactive materials is possible, but very unlikely!

Your Job as IPFW Employees

- Only certain buildings at IPFW house laboratories that perform experiments with radioactivity.
- At IPFW it is required that any room where radioactive materials are used or stored must have a radioactive label on the door.

Spills or Emergencies

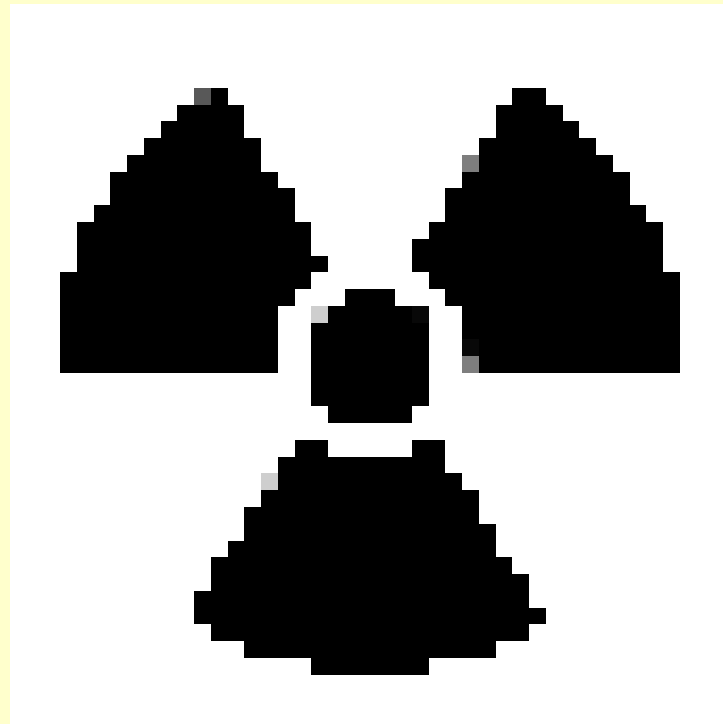
- As non-radiation certified staff, it is **NOT** your job to clean up radioactive spills or waste!!!
- REM personnel are trained in the proper clean-up of radioactive spills.
- Only REM personnel should engage in cleaning up a radioactive spill!!!

Spills or Emergencies

If you encounter a potential radioactive Spill or emergency while performing your job task:

- 1. Leave the lab and assure that no one else enters (post sign if necessary).**
- 2. Go to the NEAREST phone and call University Police 16827.**
- 3. Stay where you are until REM arrives, so as not to spread potential contamination.**

Radioactive Symbol



Who can you call about
radiation questions?

Contact REM at:
481-5744 or 481-4193