Welcome to Fall 2015

Professor Robert Bean
Director, Radiation Laboratories

Professor Takashi Hibiki
NE Safety Committee Chair
Safety is a value

- It is how we get things done
- We work safely
Report any building issues to the Building Deputy

Kellie Reece – Building Deputy
Toni Horsley – Assistant Building Deputy
Safety – In Case of Tornado

In case of Tornado, report to the south hallway by the Basement Room 141

The south hallway by the basement door is the location to be if there is a tornado. You can also go into the lobbies of 108, 112 and 132 if the doors are unlocked.
In case of **Fire**, pull the fire alarm and evacuate building and report to our assembly area – this is the area between Grissom Hall and Heavilon Hall.
Shelter In Place Procedure

If you are directed to shelter in place, but you are unaware of the specific reason, proceed to the lowest level of the building but continue to seek additional information by all possible means to determine the type of incident. Once you have determined the type of emergency, follow the below chart:

<table>
<thead>
<tr>
<th>EMERGENCY</th>
<th>EMERGENCY ASSEMBLY AREA (EAA)—SHELTER IN PLACE</th>
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<tbody>
<tr>
<td>Weather-Related—Tornado Warning</td>
<td>Basement corridors, basement offices, basement restrooms</td>
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<td></td>
<td>Or the lowest level of the building (stay away from windows and doors)</td>
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<tr>
<td>Hazardous Materials (HAZMAT) Release</td>
<td>Remain or find an unaffected office or work area and close windows and doors.</td>
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<tr>
<td>Civil Disturbance—active shooter</td>
<td>Seek a safe location, preferably a room without windows that can be locked or secured by barriers.</td>
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Building Emergency Plans

It is every student's responsibility to know the Building Emergency Plan when they are in a specific building.

Below is the link to all Building Emergency Plans on Purdue Campus

https://www.purdue.edu/ehps/emergency_preparedness/bep/index.html
Why is Laboratory Safety Important?

- Prevention of injury
- Prevention of loss
- Prevention of lost time
- Prevention of lawsuits
- Principle Investigators (PIs) and Lab Supervisors are responsible for safety and lab training.

But, in the end, **YOU** are really responsible for your own safety.
Purdue Safety Requirements

- Executive Memorandum C-36, the Revised Environmental Health and Safety Compliance Policy, appoints the Vice President for Physical Facilities as the Environmental Health and Safety Compliance Officer (OSHA Officer) for Purdue University.

- C-36 requires Purdue staff to comply with all applicable environmental health and safety (EHS) laws, policies, procedures, and instructions.

- The OSHA Compliance Officer is responsible for and authorized to develop and implement EHS programs and coordinate and monitor compliance.

OSHA: Occupational Safety & Health Administration
Radiological and Environmental Management-REM

- REM serves as a consultant to the University Community in all safety related areas.
- Assists in monitoring regulatory compliance with various federal, state, and university regulations involving environmental, health and safety issues.
- Services include training, consultation, emergency response, and waste removal.

http://www.purdue.edu/REM
The Integrated Safety Plan (ISP) is REM's strategic plan for safety at Purdue. It provides a structure to communicate environmental, health and safety issues across the organization.

Working toward increased awareness, the Integrated Safety Plan provides a mechanism for safety committees, self-audits, and departmental indemnification from regulatory fines.
The Hazard Communication Standard (HCS) is an Occupational Safety and Health Administration (OSHA) regulation.

HCS may also be referred to as the Right-to-Know Law or RTK. The citation number is 29CFR1910.1200.

HazCom, as it may also be called, is a standard intended to protect employees from physical and health hazards that they work with or be exposed to.
The Radiation Safety Section is responsible for complying with regulations set forth by the Nuclear Regulatory Commission as well as the Indiana State Department of Health for the safe use of radioactive materials on campus.

REM accomplishes this by providing several types of training, radioactive waste pickups, calibration services, personnel dosimetry to monitor radiation exposure, as well as consulting support for all of your safety concerns.

RSO: Dr. Jim Schweitzer, 49-42350, jfschwei@purdue.edu

Based on the President's Executive Memorandum No. D-2 and the Purdue University Laser Safety Guidelines, individuals are officially authorized to use Class 3B and Class 4 lasers on their respective projects upon receiving appropriate laser safety training, demonstrating competency, and submitting complete application forms bearing the authorization name and signature of the Laser Principal Investigator (LPI).

- Laser Safety Officer: Zach Tribbett, ztribbet@purdue.edu 49-41478
Biological Safety

- It is the policy of Purdue University to take every reasonable precaution to provide a work environment that is free from recognized hazards for its employees in accordance with the General Duty Clause of the Indiana Occupational Safety and Health Law (IC 22-8-1.1 Section 2).

- Laboratory supervisors and principal investigators are responsible for biological safety in the laboratory.

- BioSafety Officer: Bob Golden, 49-41496, rgolden@purdue.edu

This manual gives Federal, State, and University requirements and expectations relating to the OSHA Laboratory Standard, 29 CFR 1910.1450. This standard applies to areas of laboratory use and of hazardous chemicals. (2003)

Other Hazards

- Use appropriate Personal Protective Equipment (PPEs)
- Use Lockout/Tagout Procedures when entering a dangerous area
Proper Storage of Hazardous Materials

- Make sure all materials are stored properly.
- Make sure all containers are properly sealed and labeled.
- Make sure all waste containers are properly sealed and labeled.
Hazardous Materials Management

- Purdue manages **hazardous waste** under a permit granted to Purdue by the Indiana Department of Environmental Management and the United States Environmental Protection Agency. It is the responsibility of each hazardous waste generator to manage their waste according to Executive Memorandum No. C-36 and Guidelines: Handling and Disposal of Chemicals. To have waste removed from individual campus locations; a Hazardous Materials Pickup Request Form must first be submitted.

- [http://www.purdue.edu/REM/hmm/hmm.htm](http://www.purdue.edu/REM/hmm/hmm.htm)

- Contact: Adam Krajicek, 49-63072; arkrajicek@physfac.purdue.edu

- **ALL CONTAINERS MUST BE KEPT CLOSED AND CLEARLY LABELED.**
Workplace Injuries

- All injuries **must** be reported, no matter how minor.

- Supervisor must complete the *First report of injury form* and submit to REM within 48 hours:
  
  [http://www.purdue.edu/REM/home/forms/froi.doc](http://www.purdue.edu/REM/home/forms/froi.doc)

- See information here:
  
Cell Phones

- **In Case of an Emergency**
  - Add I.C.E. to the phone book contact you would want called in case of emergency
  - Put it on the lock screen of your phone

- **911 from a cell phone will connect to the county system (slower).**
  - Add **765-494-8221** (Purdue Police) as a contact. If you call for an emergency, tell them it is a 911 emergency
Be Safe!

- Work Hard
- Have Fun
- Be Safe!