DISASTER!
Protect Yourself & Your Research
Agenda

• Housekeeping
• Background
• What is a Disaster?
• Plans – The Obvious & Not so Obvious
• Emergency Management Response
• Resources
• Magic Trick
• Exercise
What Does This Guy Know?

• Background
• Role here at the University
• Lab knowledge
WHAT IS A DISASTER?
Purdue January 9, 2014

- Biochemistry building
- 4 inch water line ruptured
- Flooded all four floors of the building
- Five labs shut down to assess damage
May 16, 2014

• Stony Brook University on Long Island
  – Explosion damaged a science lab
  – Two students sent to hospital
  – Earth and Space Science Building evacuated

WABC-TV New York
Iowa State University, May 30, 2014

• Laboratory Fire
  – Labs, equipment and offices damaged by smoke and water
  – Department chairman says the greatest losses are the projects graduate students have been working on for months
UCLA July 30, 2014

- Sunset Boulevard
- 8 to 10 MILLION gallons
What are other possible disasters?

- Cyber loss
- Weather
- Utilities
- Fire
- Hazardous Materials
You are the Expert

• What can you do to be more self-sufficient?
• What could you do to be more resilient?
• What can you do to mitigate the effects of disasters?
Plans

When you know, it's obvious.

Really Obvious: Plans
https://www.youtube.com/watch?v=xxWC2qZzFbc
Your Personal Safety Plan

• Be aware of your environment and any possible dangers
• Take note of the two nearest exits in any facility you visit
• Know when and where to shelter
• Resources
  – ehs.unl.edu
  – emergency.unl.edu
  – UNL Police Situational Awareness Training
Building Safety Plan

- Building Emergency Coordinators
  - Floor/Area Coordinators
- Emergency Actions
  - Evacuation
  - Shelter in Place
  - Shelter Locations
- Persons needing assistance
- Assembly areas
- Warning systems
- Secure or hazardous locations
- Template online: Faculty, Staff & Departments
Business Continuity Plan

- Leadership Succession
- Essential Functions
- Communication
- Mitigation Strategies
- Recovery
- Special Considerations for your Department
- Key Internal (Within UNL) Dependencies
- Key External Dependencies
- Additional Information
- Submission to preparedness@unl.edu
UNL Alert

- Campus automated notification
- Make sure your contact info is current
- Methods of delivery
  - Text
  - Email
  - Social Media (Twitter & Facebook)
  - Digital Signs
  - unl.edu
  - Alertus
UNL Alert

• Consider what actions you may want to take for specific scenarios
  – If time permits are there procedures that should be included in our standard procedures?
  – Secure areas
  – Shelter
  – Evacuation procedures
  – Equipment
Reporting Emergencies

• University Police 402-472-2222
• Medical Emergency 911
Response

EMERGENCY MANAGEMENT
Emergency Management Plans

• Incident Management
  – Emergency Life Safety
  – Scene stabilization

• Emergency Operations Center
  – Support
  – Coordination
UNL Response to Emergency/Disaster

Incident Occurs

Responders on Scene

Declaration/Notification

UNL Emergency Operations Center Activation
UNL Emergency Operations Plan

- Chancellor
  - EOC Director
    - EOC Coordinator
      - EOC Support Staff
      - Liaison Officer
    - Safety Officer
  - Operations
  - Planning
  - Logistics
  - Finance and Administration
UNL Emergency Operations Plan

UNL EOC Director
- Develops objectives & approves resource orders & demobilization.

UNL EOC Operations
- Identifies, assigns and supervises resources to accomplish the objectives

UNL EOC Planning
- Documents resources and identifies resource shortages.

UNL EOC Logistics
- Orders resources.

UNL EOC Finance/Admin.
- Procures and pays for the resources. Reports costs.
Working with the Operations Team

• Remember: You are the expert!
• How will the UNL Emergency Operations Center (EOC) know the needs of your laboratory?
  – Do you have a Building Emergency Plan on file?
  – Do you have a Continuity of Operations Plan on file?
  – How will you communicate your needs?
• Key point: inter-departmental priorities should be discussed prior to the disaster
Online – Faculty, Staff & Departments

• “Have a Plan”
  • Emergency Procedures Quick-list
  • Business Continuity Planning Template
  • Building Emergency Action Plan Template
  • Faculty Guidance for Incident Response
  • Environmental Health and Safety ehs.unl.edu
    – Safety Operating Procedures
    – EHS Training Materials and documents
  • UNL Alert
Testing the Plan

• Types of Exercises
  – Drill
  – Seminar or Orientation
  – Workshop
  – Tabletop
  – Functional
  – Full Scale
Testing the Plan
Team Challenge 2015

- EOC – Emergency Operations Center
- FAC – Family Assistance Center
- JIC – Joint Information Center
- Your Facility?
Questions, Comments, Concerns?
Ancient Magic Trick

- Magic and Science of Organization
- Oath
- Demonstration
- Explanation
TABLE TOP EXERCISE
Tabletop Exercise

- Scope
  - Facility
  - Location
  - Players
- Objectives
- Scenario
- Exercise Play
- After Action Review
- Improvement Plan