

# ***3330 KLONDIKE BUILDING SAFETY OVERVIEW***

**A Quick Reference Guide for Safety Topics  
For the 3330 Klondike Building**

# *Building Contacts*

## In Case of Emergency - CALL 911 from any phone

- **Building Manager:**  
Todd Nelson, ME 1188, 317-760-9789  
nelso366@purdue.edu
- **Managing Director of Technical Services:**  
Michael Logan, ME 1200, 49-63742  
loganm@purdue.edu
- **Assistant Department Head, Facilities and Operations:**  
Jun Chen, ME 2198, 49-47050  
junchen@purdue.edu

# *Emergency Services - Off Campus Locations*

The Klondike Facility is located outside the Purdue Campus.

- **Law Enforcement: Tippecanoe Sherriff's Office.**
  - Non-Emergency Number: 423-9321
- **Fire Department: Wabash Township Fire Department**
  - Non-Emergency Number: 463-6664
- **Ambulance: Tippecanoe Emergency Ambulance Service**
  - Dial 911. They do not have a non-emergency number
- **If it is an emergency - DIAL 911**

# *Building Contacts - After Hours*

## After Hours Non-Emergencies Contact Information

**For non-emergency situations that are urgent and time sensitive, you can call the Purdue Police dispatch non-emergency number to get help after hours.**

- **Purdue Police**
  - **Non-Emergency Number: 494-8221**

**▪ If it is an emergency - DIAL 911**

## **Klondike Building Emergency Plan**

All users of the Klondike Building are expected to be familiar with the Emergency plan and complete an annual refresher quiz.

# *Purpose of the Building Emergency Plan*

**All Purdue Buildings are required to create and maintain an Emergency Plan.**

- What to do in case of Fire
- What to do in case the All-Hazards Siren goes off.
- Locations of severe weather shelters.
- Emergency Contact Information

# *Location of the Building Emergency Plan*

**Users of the Klondike Building are expected to read and review the Klondike Emergency Plan**

- This presentation is merely a review of key points. It is important to review the entire Klondike Emergency Plan.

## **You can find the Klondike Emergency Plan on the Web**

- From the Campus Emergency Preparedness Website
  - <https://www.purdue.edu/epps/emergency-preparedness/emergency-plans/bep/>
- From the ME Homepage
  - <https://engineering.purdue.edu/ME/AboutUs/Safety>

# For All Emergencies Call.....





# *Evacuation Alarm - FIRE*

## The Klondike Facility does NOT have a Central Fire Alarm

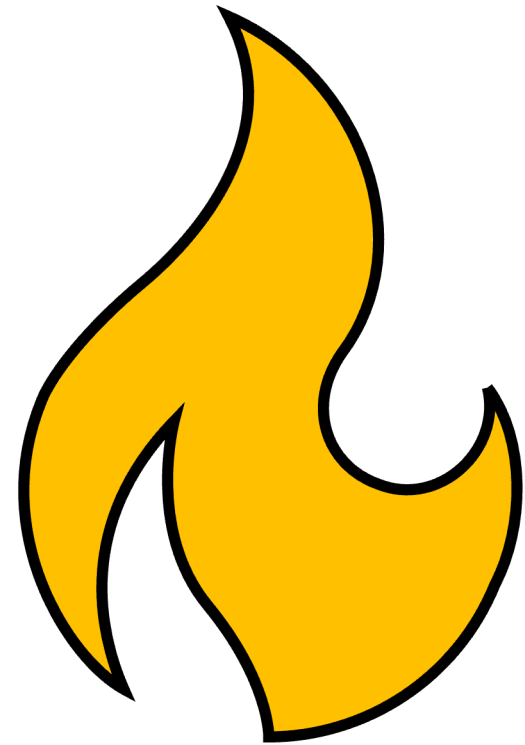
- If there is a fire – notify everyone in the building and Evacuate the Building
- Once you have left the building, **You MUST Call 911** to initiate emergency response.
- Proceed to the Emergency Assembly area
  - Parking lot of the building furthest east on the property (closest to Klondike Road)

EMERGENCIES  
**CALL 911**

# *Evacuation Alarm - FIRE*

## If Notified there is a Fire

- Do NOT continue working. Safely shut down any equipment and leave the area.
- Know the closest emergency exit. Be aware of alternative exit points in case the primary exit is blocked.
- Proceed to the Emergency Assembly area
- Make sure others working in your area know there is a fire and to evacuate
- Do NOT re-enter the building until cleared to do so by a uniformed officer (Police or Fire)
- **Make sure someone has called 911**

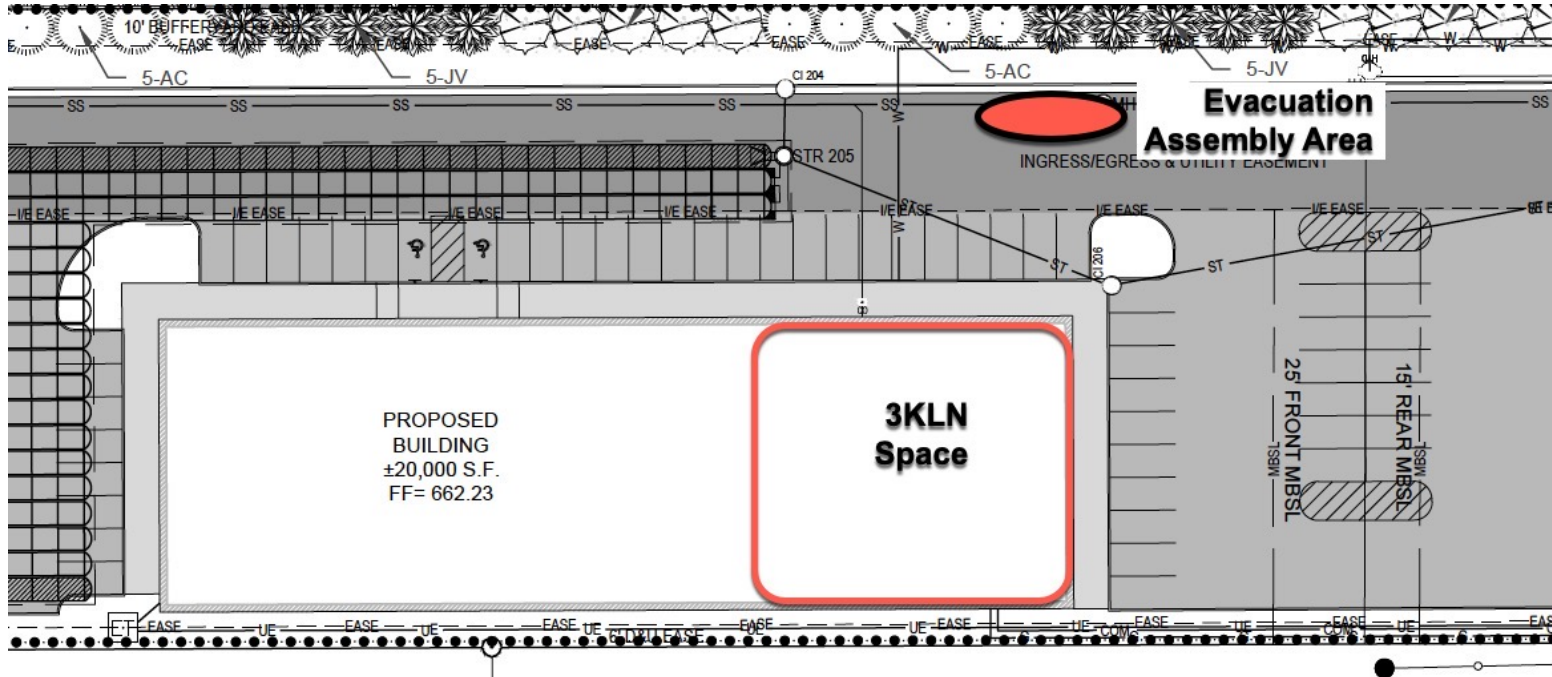


# Evacuation Routes



# Evacuation Routes - Emergency Assembly Area

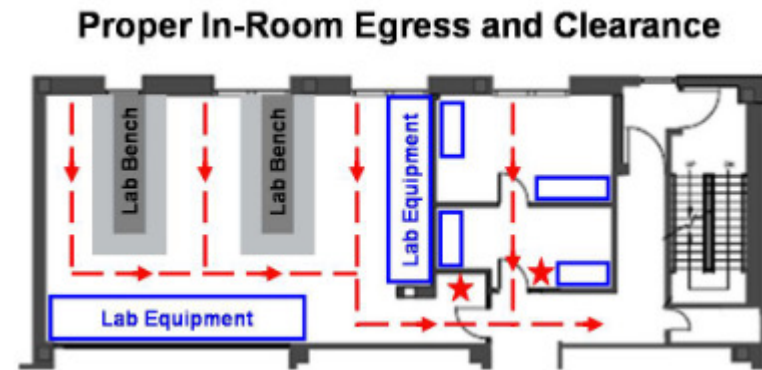
## The Primary Emergency Assembly Area - North building



# *Housekeeping and Protecting Walkways and Aisles*

## Fire Code requires clear walkways and aisles

- Each area must maintain proper aisles and walkways throughout the space
  - Typical minimum width is 36"
- Doors must have clear access
- Electrical Panels must have clear access in front of them.
- Rooms should avoid storing excess items, cardboard boxes, and trash.



# *All Hazards Siren - Shelter in Place*

## When the All Hazards Siren Activates, Go Indoors Immediately

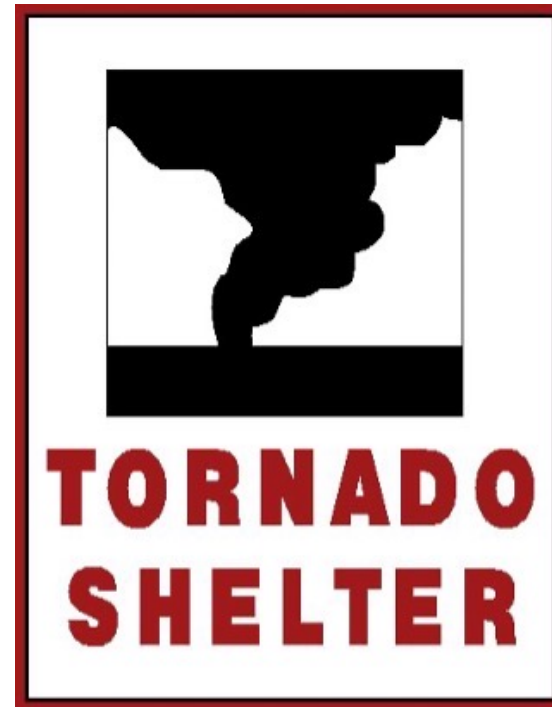
- Determine the cause of the siren using:
  - Text Alerts
  - E-mail Messages
  - Purdue Home Page
- Take Appropriate Action for the Emergency.



# *All-Hazards Siren - Weather Emergency*

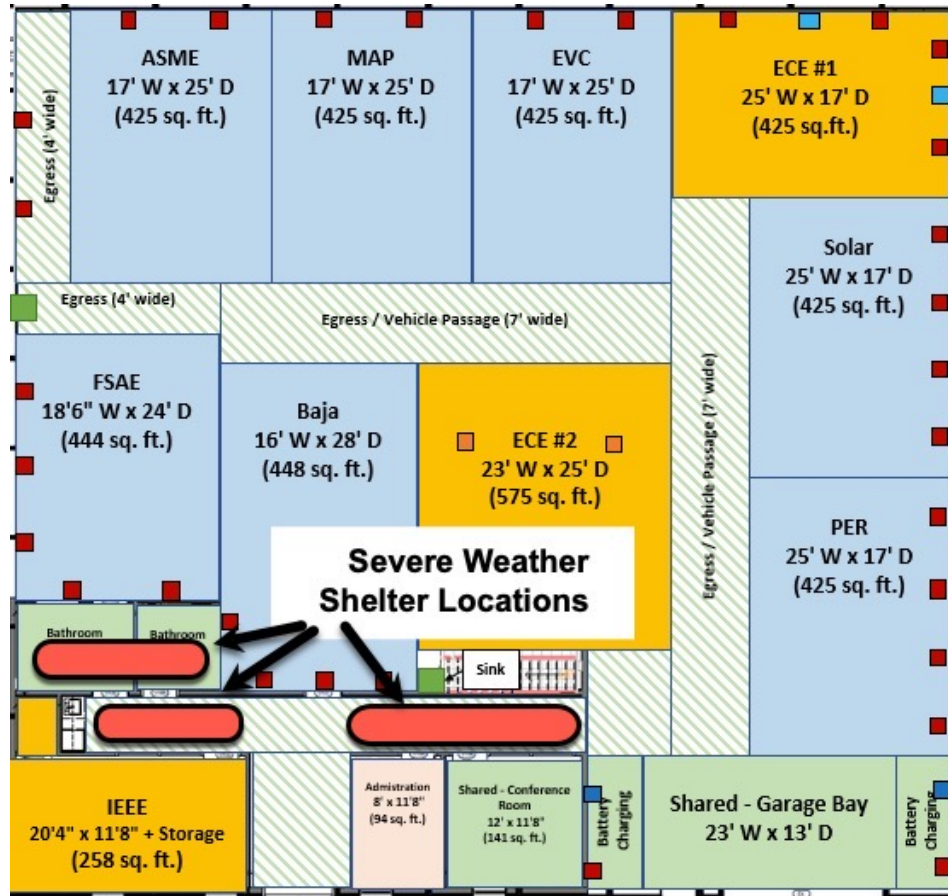
## In case of Severe Weather or Tornado

- Move to an interior space away from windows and skylights
- If possible, move to the bathrooms
- Look For this sign. Locations are indicated on evacuation maps and building maps in hallways
- Wait for the All-Clear



# Severe Weather Shelter Locations

Please fill the bathroom areas first, then utilize the space in the hallways





# *All Hazards Siren - Shelter in Place*

## **In the case of Campus Violence or Active Shooter**

- Move to interior rooms that can lock
- Stay Away from Glass Doors and Windows
- Remain 'Out of Sight' from someone outside the room
- Evaluate your options for escape and concealment

# *Shelter-in-Place Considerations*

## Shelter-in-Place Considerations for Life-Threatening Incidents

**This information is designed to encourage building occupants to develop an individual plan based on potential life threatening incidents such as a shooting on campus. Actions should be based on situational awareness. React to Purdue ALERT information as well as what you see and hear in your general area. See EP website for more info**

**[http://www.purdue.edu/emergency\\_preparedness/](http://www.purdue.edu/emergency_preparedness/)**

# Shelter-in-Place Considerations

<p><b>Get Ready</b>...be prepared. A life threatening incident has occurred on the West Lafayette campus; incident location is not near Klondike.</p>	<p><b>General Actions:</b></p> <ul style="list-style-type: none"> <li>Follow information sources: Homepage, Twitter @PurdueEmergency, text &amp; email alerts.</li> <li>Review your BEP (located on the Klondike website).</li> <li>Notify others of incident.</li> <li>Review internal procedures; be ready to implement.</li> <li>Plan next steps if incident impacts my area:             <ul style="list-style-type: none"> <li>Should I get out?</li> <li>Where will I shelter if needed?</li> </ul> </li> </ul>	<p><b>Specific actions based on your location:</b></p> <ul style="list-style-type: none"> <li>Note that several building doors will lock but are accessible by key or card access.</li> <li>Be sure to have your Purdue ID on your person.</li> <li>Identify a location that can be barricaded or locked where you can shelter if needed.</li> <li>Identify exit paths from the building that will allow you to escape if needed.</li> </ul>
<p><b>Get Set</b>...stay alert; be prepared to implement your plan. A life threatening incident has occurred on the West Lafayette campus; incident location is near Klondike but not in my building.</p>	<p><b>Implement all Get Ready actions.</b></p> <ul style="list-style-type: none"> <li>If the threat is ongoing or you feel your safety is in jeopardy, implement your department or building specific actions.</li> <li>Be ready to get out/escape or shelter in safe area based on situational awareness.</li> </ul>	<p><b>Prepare to shelter in place if necessary.</b></p> <ul style="list-style-type: none"> <li>Prepare to escape if that is best option.</li> <li>Shut down any hazardous-material operations.</li> <li>Leave laboratories and cleanroom in a safe condition.</li> <li>Be sure to have your ID with you.</li> </ul>
<p><b>Go</b>...stay calm and activate your plan. A life threatening incident has occurred on the West Lafayette campus; incident location is in my building or I feel my safety is in jeopardy (location of perpetrator is unknown).</p>	<p><b>Based on situational awareness, immediately:</b></p> <ul style="list-style-type: none"> <li>Decide if you can escape; if possible get out of the building to a safe location.</li> <li>If you can't escape, then shelter in a lockable area and/or a room that you can secure or barricade.</li> <li>As an absolute last resort, consider taking action if your safety is in jeopardy</li> </ul>	<p>Execute your plan as indicated in General Actions to the left.</p>

# General Facility Safety

This is an overview of common safety issues found in many of the school's facilities and research laboratories

# Electrical Power Safety

## Safe Use of Electrical Cords and Power Strips

- At Purdue, extension cords may only be used for temporary uses. These should not be 'installed' or 'routed' in a room to provide power to a location
- Electrical cords, network cables, and other similar cables may NOT be placed across walkways, Aisles, or Doorways. Cord Tunnel devices are not permitted at Purdue.
- When using Power Strips, you cannot 'daisy chain' devices. Each power strip must plug directly into a wall outlet. You can NEVER plug one power strip into another.



# *Food and Drink in Various Locations*

## Food and Drinks are allowed only in certain areas

- Eating and drinking around hazardous chemicals is an OSHA violation and a health hazard.
- If chemicals are used in an area, you should not have human food and drink present
- Area's where Food and Drink are prohibited should be clearly marked.



# Chemical Labels and Safety Data Sheets

## Any Chemical Used in a Room must have a Safety Data Sheet (SDS/MSDS) available and be listed on the Chemical Inventory in the labs Safety Binder

- If you are using chemicals, you must:
  - Maintain a current inventory, updated as new chemical arrive
  - Maintain a binder of Safety Data Sheets for each Chemical
  - Ensure every container in room has legible labels for what the contents are. Labels should meet GHS standard.
- If you bring in a new chemical, you must add it to the Chemical Inventory for the room and add the Safety Data Sheet to the labs Safety Binder
- Chemicals include items such as Motor Oil, Cleaning Fluids, Paint, Adhesives, and Compressed Gases. This is not limited to traditional Chemical Reagents.
- Area's where Chemicals are used should NOT have Food or Drinks.
- If you add a new chemical, you should update SOP's and Hazard assessments as needed to reflect this new chemical



# Compressed Gas Safety

Numerous groups use compressed gas cylinders. This is an overview of the fundamentals of safety.



# ***THIS IS NOT COMPRESSED GAS TRAINING***

## **This is an awareness level of training ONLY**

- Compressed Gas cylinders are portable tanks used to store a broad range of gases used in research
- If you will be using compressed gas cylinders, you **MUST** complete the REM Compressed Gas Safety training. Your PI must also train you on the specific gasses you will be using.
- Training is available here:  
<https://www.purdue.edu/epps/rem/training/index.html#C>



# *Hazards of Compressed Gasses and Cylinders*

## Compressed Gas Cylinders can present the following hazards

- Physical Hazards
  - Crush Injuries from heavy cylinders
  - Potentially lethal injuries from unexpected release of high-pressure gas
  - Thermal injures including frostbite from adiabatic cooling
- Chemical Hazards
  - Small Leaks of product from valves, hoses, and fittings
  - Uncontrolled product release
  - Can have immediate and acute health hazards
- Respiratory Hazards
  - Many compressed gases are asphyxiants. They can displace Oxygen in the Atmosphere

# *Proper Storage of Compressed Gas Cylinders*

## Compressed Gas Cylinders Must be Stored Safely

- Cylinders must be secured
  - Capped cylinders can be chained together
  - Cylinders with Regulators must be chained individually
- Cylinders not in use **MUST** be capped
- Do **NOT** use/move cylinders without training



# *THANK YOU*

If you have questions, please contact Todd Nelson or Mike Logan. Contact details located at the beginning of this presentation.