



Penobscot County  
Local Emergency Planning Committee  
97 Hammond Street, Bangor, ME. 04401  
(207) 945-4750

Quarterly Meeting Minutes

January 18, 2024, 9:00 am  
University of Maine Systems  
Safety and Environmental Protection Building  
#7 York Village, University of Maine, Orono

Attendance:

Scott Lajoie, Orono Police	Lyndon Hopkins, Good Shephard Food Bank
Jessica Fogg, Maine CDC	Ken Latham, Northern Light Health
Kathy Knight, Northern Light Health	Andrew Brogden, Orono Fire
Lara Bailey, M&N Operator (Zoom)	Mark Bourgoin, NL Hospice (Zoom)
Frank Martin, American Red Cross (Zoom)	L'Easa Blaylock, St Joseph (Zoom)
Marie Hunt, D4H	Nathan Anaya, UMS Risk & Safety
Lisa Burton, UMS Risk & Safety	Erik Tourtillotte, Brewer Fire
David Marshall, Penobscot Cty Commission	Kevin Sirois, Orono Fire
Robert LaFlamme, UMS Risk & Safety	Mark Leonard, Veazie Police
Peter Snow, UMS Risk & Safety	Terry Bean, Cianbro Safety (Zoom)
Shelly Drew, Millinocket Regional Hospital	Louise Fode, National Weather Service
Thomas Fennell, PTEMA	Bradley Nuding, PTEMA
Christopher Fox, PTEMA	Paul Nichols, Maine DEP

I. Introductions

- a. Introductions were made around the room and on Zoom.

II. Penobscot County EMA

- a. EMA Update: Bradley Nuding, Director
  - Very busy with the back-to-back severe weather events.
  - Penobscot County will be included in the disaster declaration. It is awaiting White House approval.

*Under the Emergency Planning and Community Right-to-Know Act (EPCRA), Local Emergency Planning Committees (LEPCs) must develop an emergency response plan, review the plan at least annually, and provide information about chemicals in the community to citizens.*



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## b. Events

- Milford
  - 100 gallons of diesel spilled at an intersection.
- 171 Interstate 95 (Carmel)
  - Concrete Pump Truck on Fire.
    - Required transfer of fuel
- PERC Plant
  - Large Response. Crews and Aerial from Brewer were on scene for 18 hours.

## III. Annual Exercise

- a. Attendees participated in a table top exercise that involved robust discussion on a chemical incident scenario at the University of Maine. Please see that attached slides for greater detail

## IV. Penobscot County EMA – Office of GIS

- a. Thomas Fennell provided a demonstration of the GIS capabilities relative to chemical release response and planning

## V. National Weather Service – Weather Forecast Office – Caribou

- a. Louise Fode provided an in-depth explanation of the process of requesting a Spot Forecast and the benefits of Hysplit

## VI. University of Maine System - Risk & Safety Office

- a. Lisa Burton provided a broad overview of the activities and responsibilities of the UMS Risk & Safety Office

Next Meeting:

April 18, 2024: Bangor Natural Gas

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# Penobscot County Local Emergency Planning Committee

Winter Meeting  
January 2024

# 2024 Penobscot County LEPC Tabletop Exercise

UMaine Chemical Leak  
18 January 2024  
UMS Risk and Safety Management Office

## What is a Tabletop Exercise?

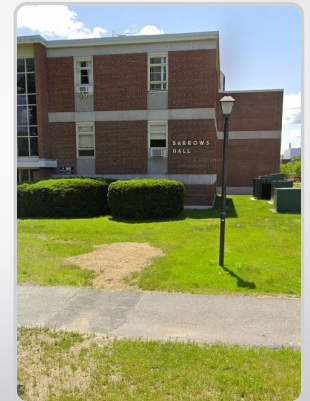
- In brief, a Tabletop Exercise, or TTX, is a discussion-based walkthrough of a scenario, discussing each entities role during an event and how they would respond.

## Exercise Objectives

- Familiarize LEPC partners on expectations of community members and response partners during events
- Validate established internal response plans for a chemical leak
- Assess plans and protocols for communicating with responders, students, faculty, and the UMaine community

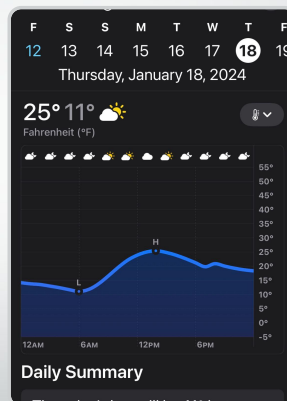
# Scenario

At 9:00 am on Thursday 18 January 2024, a delivery vehicle was backed up to the receiving dock. While in place, a failure on the pressure relief valve on the liquid side of the vaporizer occurred resulting in a release of liquid nitrogen. A person nearby experienced a cold-stress injury. A student is overcome by asphyxiation on the sidewalk north of Barrows.

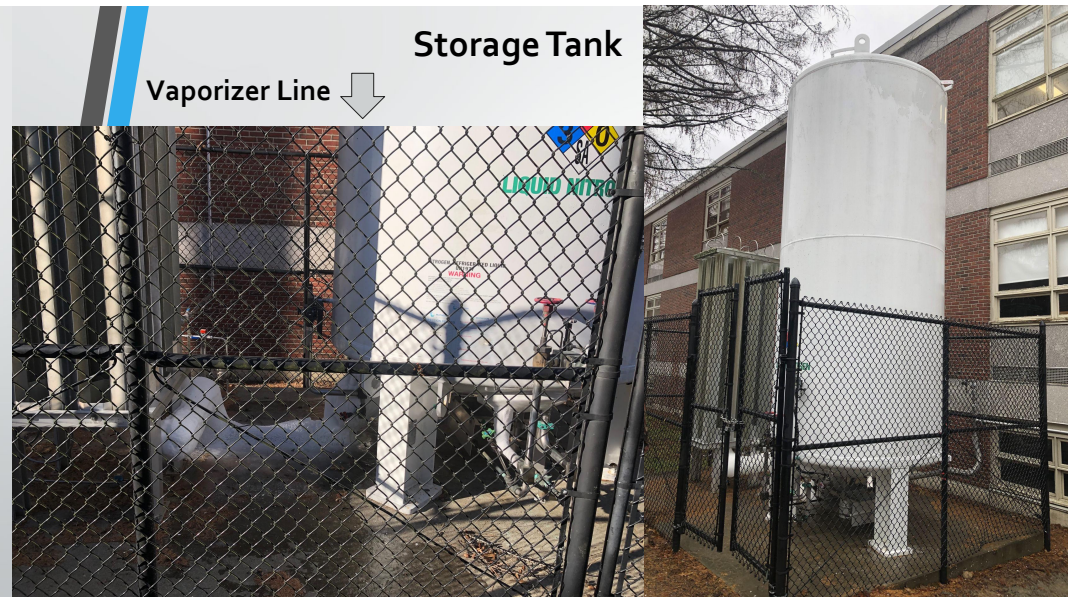


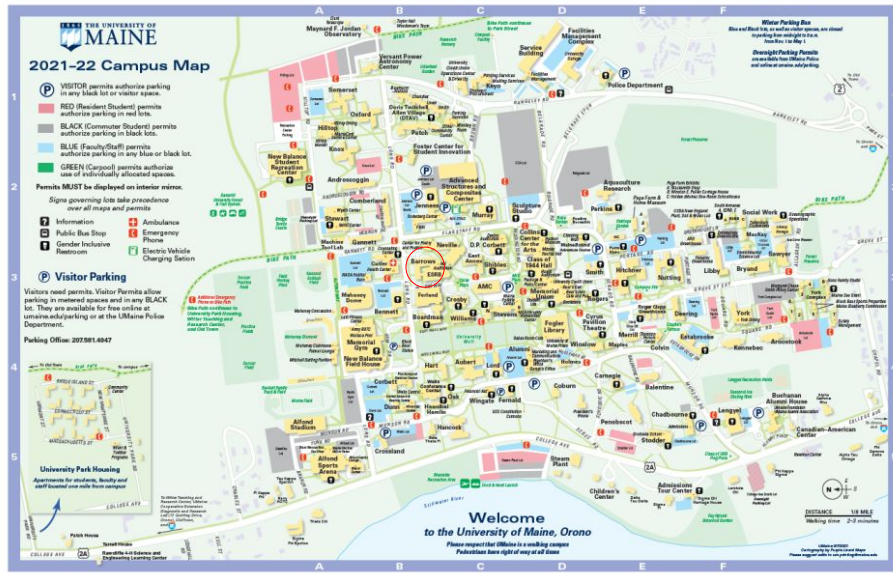
## Weather

Partly sunny, wind is from the wnw at 10 mph, temperature 25 F



Vaporizer Line ↓ Storage Tank





- Surrounding Consequences
- UVAC
  - Health Center
  - Student Housing



## 0900 - Minute Zero

- What are the initial actions of the UMaine Staff member?

## 9-1-1 Call - Initial Report

UMPD: 9-1-1 What is the address of your emergency?

Caller: I am outside Barrows Hall, two people are injured. One is laid out on the ground, hurry...

UMPD: \_\_\_\_\_

## 0900 - Minute Zero

- What are the initial actions of the UMaine Staff member?
- What information should UMPD dispatch try to collect?
- How is the campus community alerted to the emergency?

## University Police Arrive

What items may be noted by initial arriving UMPD officers?



Pressure Regulator

## Fire Department Arrival / Size Up

What items may be noted in the Fire Department initial arrival size up?

9:10 am - Minute Ten

- Public Information and Warning
- Scene Control Mechanisms (Who/Where)
- EMS Transport/Decon
- Air Monitoring

9:20 am - Minute Twenty

- What additional outside resources would you like to have at this point?
- What is the approach for stopping the flow? Would it be stopped?
- If it cannot be stopped, what other options would exist?

9:30 am - Minute Thirty

- Who from UMaine is now engaged that were not initially?

# END EX

## Aloha text summary

Asks for four different categories of information

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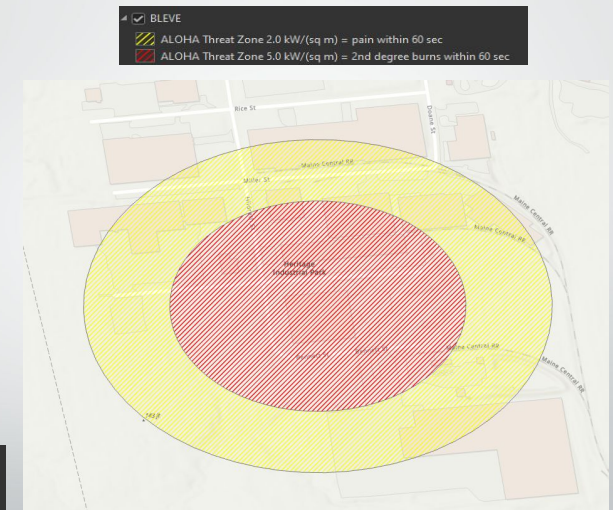
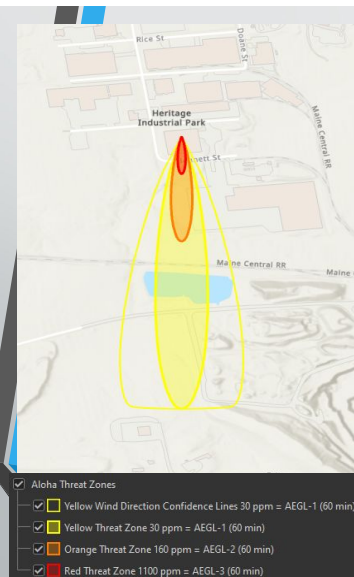
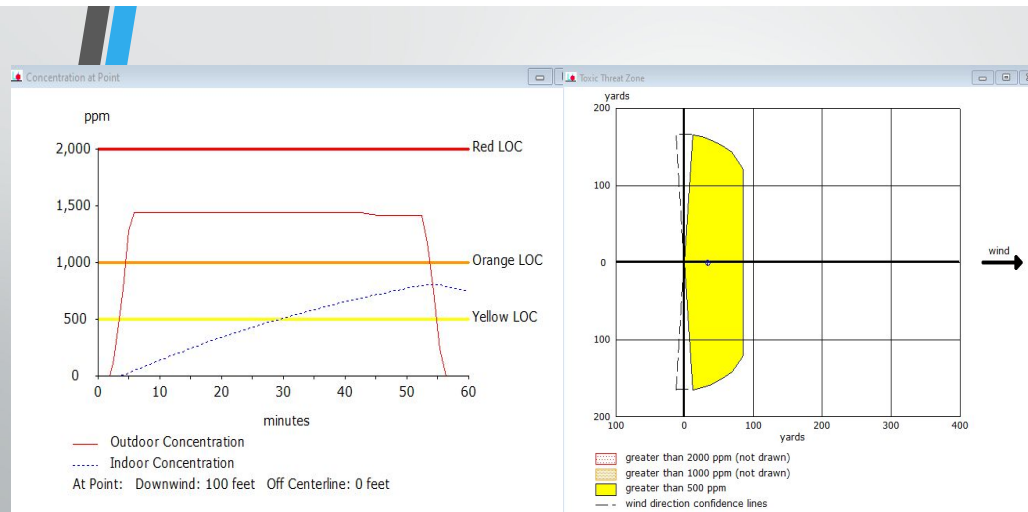
SITE DATA:
Location: BANGOR, MAINE
Building Air Exchanges Per Hour: 1.00 (unsheltered single storied)
Time: January 17, 2024 0956 hours EST (using computer's clock)

CHEMICAL DATA:
Chemical Name: NITROGEN Molecular Weight: 28.00 g/mol
Ambient Boiling Point: -322.7° F
Vapor Pressure at Ambient Temperature: greater than 1 atm
Ambient Saturation Concentration: 1,000,000 ppm or 100.0%


ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)
Wind: 10 miles/hour from WNW at 3 meters
Ground Roughness: urban or forest Cloud Cover: 3 tenths
Air Temperature: 25° F Stability Class: D
No Inversion Height Relative Humidity: 50%

SOURCE STRENGTH:
Leak from short pipe or valve in vertical cylindrical tank
Non-flammable chemical is escaping from tank
Tank Diameter: 7.15 feet Tank Length: 10 feet
Tank Volume: 3000 gallons
Tank contains liquid Internal Temperature: -192° C
Chemical Mass in Tank: 9.87 tons Tank is 100% full
Circular Opening Diameter: 4 inches
Opening is 1.00 feet from tank bottom
Release Duration: 50 minutes
Max Average Sustained Release Rate: 392 pounds/min
(averaged over a minute or more)
Total Amount Released: 19,736 pounds
Note: The chemical escaped from the tank as a gas.

THREAT ZONE: (HEAVY GAS SELECTED)
Model Run: Heavy Gas
Red : 24 yards --- (2000 ppm)
Note: Threat zone was not drawn because effects of near-field patchiness
make dispersion predictions less reliable for short distances.
    
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- ❖ EMA GIS Modeling
  - ❖ Weather Spot Forecasting
    - ❖ RRT Information
  - ❖ Safety Management Office