

EXCITING WORK OF THE LEPC



OTTAWA COUNTY EMERGENCY
MANAGER LOUIS HUNT

OTTAWA COUNTY LEPC CHAIR DEREK
SCHROEDER

WHAT WE WANT TO DO:



- Give you (free) some good ideas, resources, templates for concrete work products of the LEPC
- A little history and mission of the LEPC
- Some identified problems and some simple solutions
- Simple, with minimal prep, LEPC tabletop exercises (go through an example too)
- Our yearly Shelter in Place Exercise (join us!)
- Our yearly LEPC conference (if there is time)
- Send you our templates, etc so you can benefit in your county/area

THE LEPC: EMPOWERED IN 1986



- Birthed in Title III of the Superfund Amendments and Reauthorization Act (SARA Act) of 1986.
- Reaction to the 1984 Union-Carbide toxic gas release in Bhopal, India. 40 tons of deadly gas leaked, almost 4000 killed and a half million affected, with little to no warning



THE MISSION OF THE LEPC

- Ottawa County: to implement SARA Title III Community Right to Know regulations and to coordinate hazardous materials response, planning and training in Ottawa County
- Other Examples: to form a partnership with local governments and industries as a resource for enhancing hazardous materials preparedness

THE PROBLEM



- Lack of participation
- Lack of funding
- Lack of initiative
- Disconnect between the mission and a realistic way to positively affect the community.

SOLUTIONS



- Stronger recruitment (including after an incident)
- We were able to partner with our health department, but training and exercise can be “cheap”
- Take advantage of our Training and Exercise Sub-Committee and our Public Relations and Promotion Sub-Committee
- We looked at a couple of new initiatives
 - Tabletops can be easy, efficient and effective
 - Shelter in place (for hazmat) is poorly understood in our community

LEPC TABLETOP EXERCISES



- For Tier 2 companies (and others), exercise is 1.5-2 hours long, designed to occur with minimal preparation time....don't need to get cute, keep it simple and hit more businesses
- We have a template for our prep meeting with the company (usually with their EHS type person), 1-2 hours. Most of that time is alleviating any anxiety they may have and reinforcing that this is low stress, and we are all on the same team.
- Explain the components:
 - 5-10 minutes for Intros and relationships
 - 10-20 minutes for them to explain to first responders about the chemical/process in question
 - 50-75 minutes for a tabletop of appropriate scenario, in chronology, to explore operational coordination, operational communications, planning, etc
 - Make certain to highlight Unified Command, all the lines of communication and potential redundancies
 - 10-15 minute Hot Wash
 - 5 minute for Thank You's and a short explanation of the AAR to be completed

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FINE CRAFTED FOODS



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Holland Table-Top

*Training exercise in coordination with Ottawa County for
Ammonia Release Response*



Purpose of today:

- Establish/build upon relationships
 - Exchange contact information
- Identify additional mitigation and preparedness needs
- Address a simple tabletop exercise to reinforce roles and responsibilities, and collaborations to solve problems



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Plant Information Overall:

Plant Personnel

- As reported on RY2020 Tier II: Maximum of 750 occupants
- Total Number of Medically-Trained Staff: 19

Ammonia Details

- As reported on RY2020 Tier II total anhydrous ammonia: 82,000 lbs



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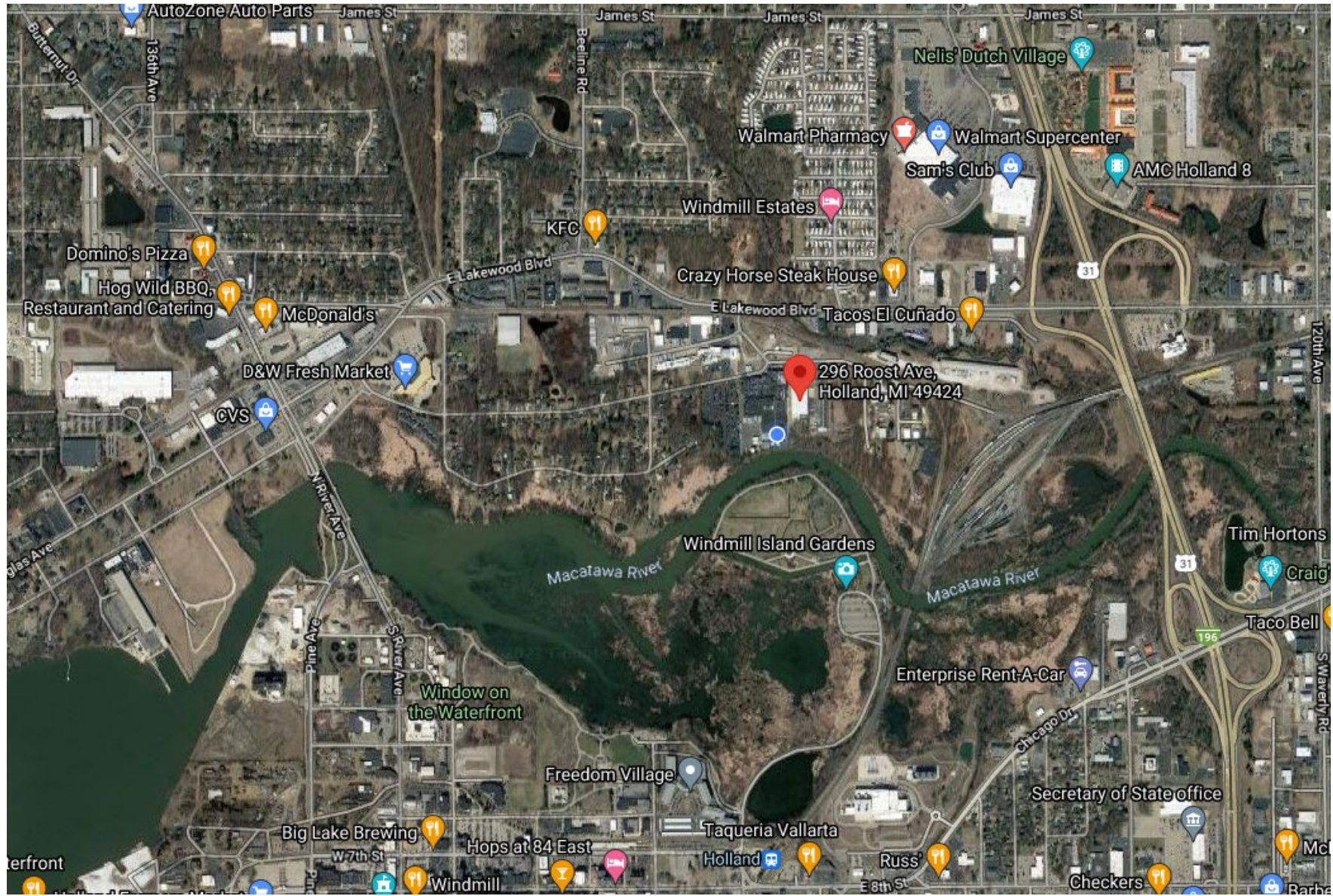
Scenario Details:

- *Unplanned Release*
- Seal break on a heat-exchanger on the roof
- Approx. 350lbs of Anhydrous Ammonia available in the vessel for release
- Vessel location is in the far Northeast corner of the Boar's Head building



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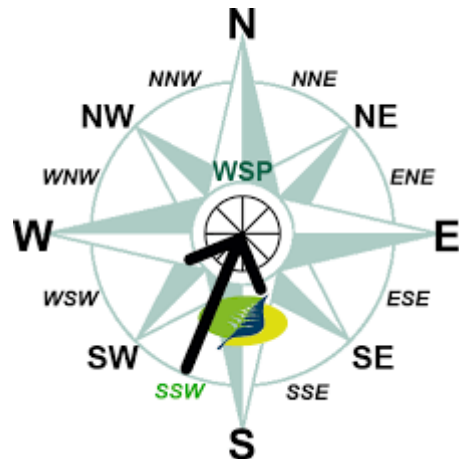
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Weather Conditions at 12:15pm...



17 mph



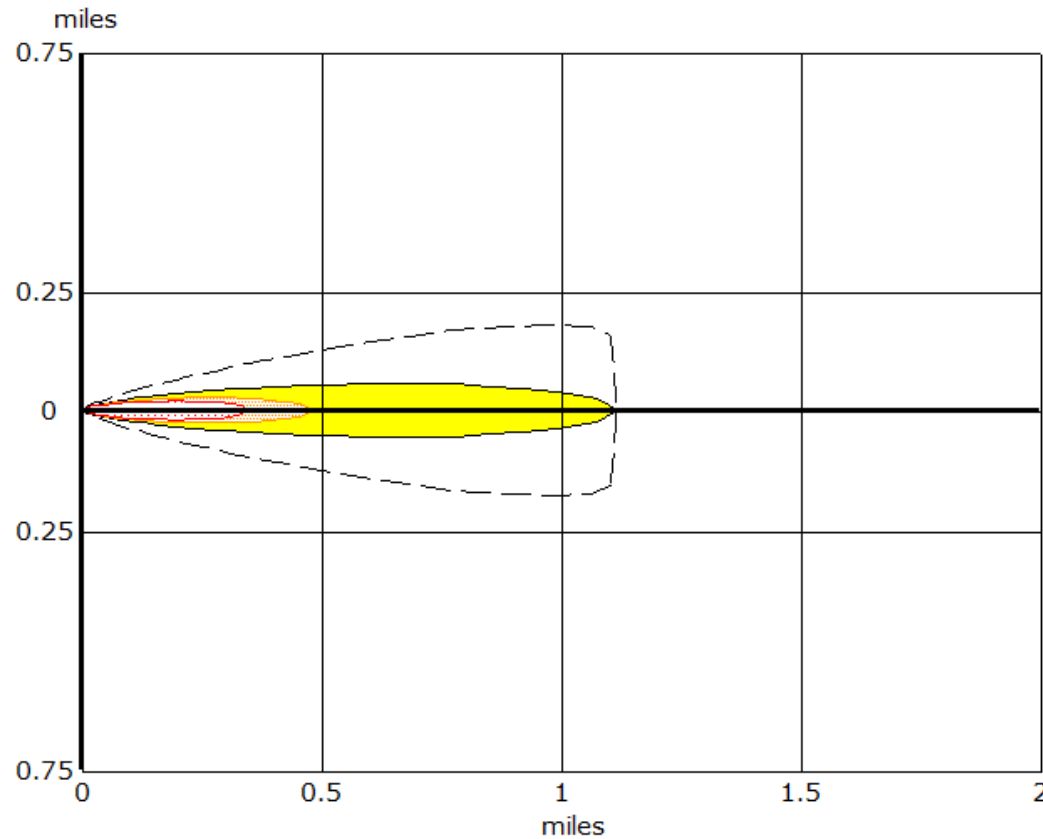
Scenario Details, con't:





- Fire has arrived on scene reporting a white hazy cloud coming from the roof of a large industrial building. 1290 also arriving on scene.
- Police and Fire are met by 15-20 bystanders complaining of difficulty breathing, irritated skin, watery eyes, coughing, dizzy.
- Two AMR ambulances are on scene.

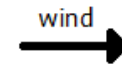


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Threat zone details...



-  greater than 300 ppm (IDLH)
-  greater than 160 ppm (AEGL-2 [60 min])
-  greater than 30 ppm (AEGL-1 [60 min])
-  wind direction confidence lines

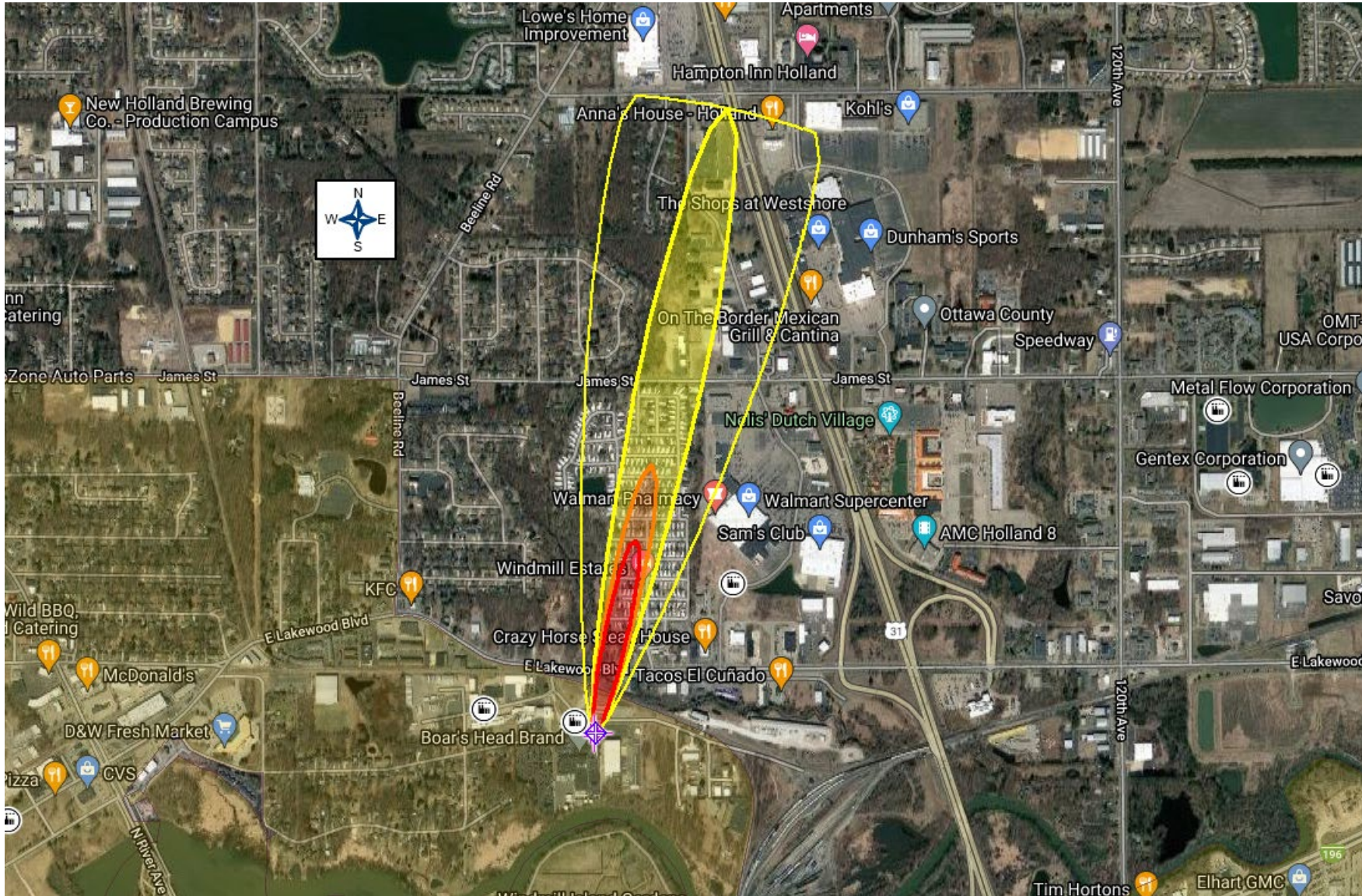


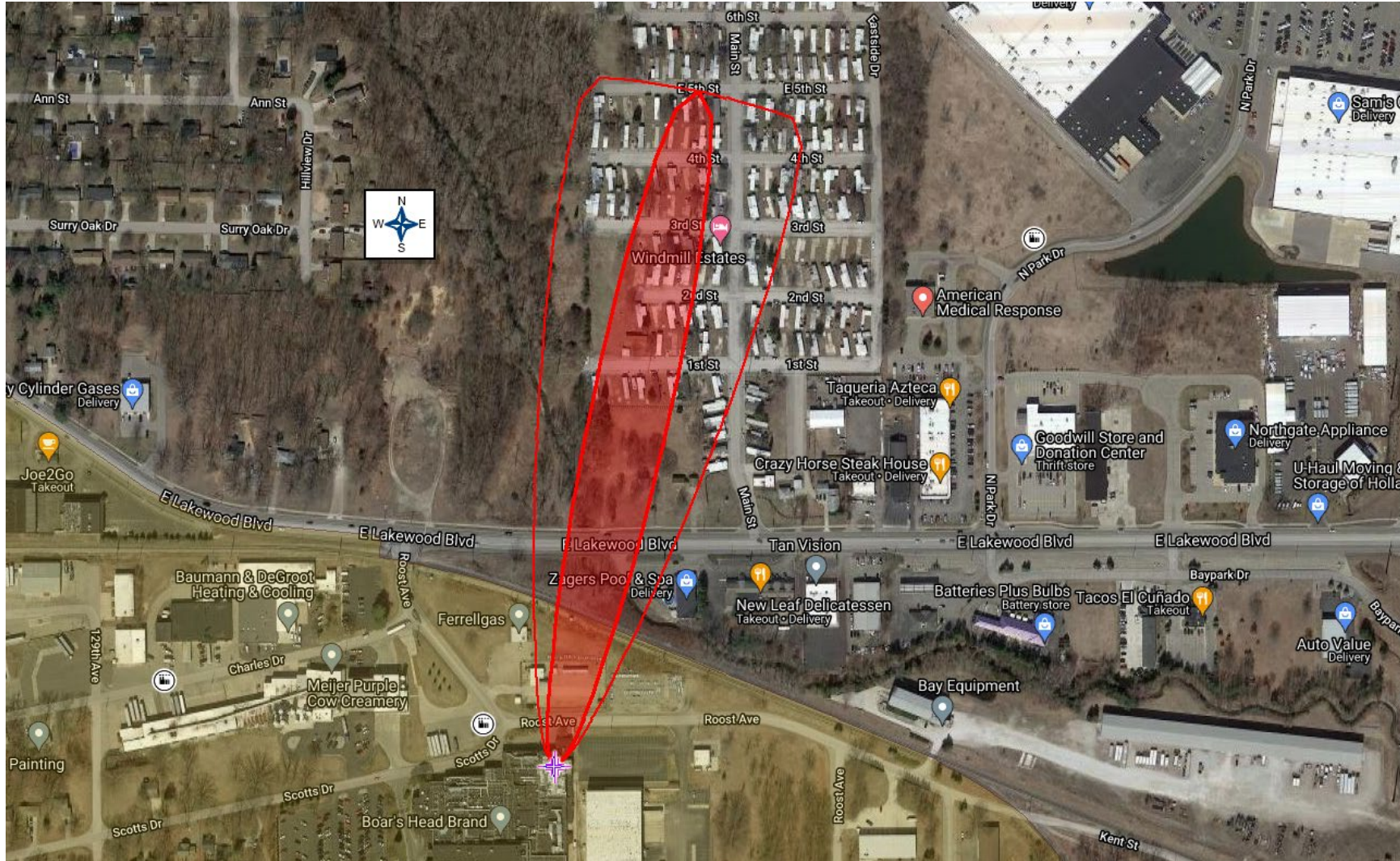
IDLH – Immediately dangerous to Life or Health

AEGL – Acute Exposure Guideline Levels



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Taking Action:

- Let's proceed in response chronology
- What can you do to address any of the issues?
- What resources do you represent that can be mobilized/utilized?
- What resources/information do you need?
- Who do you need to collaborate with (go talk to them)?
- How will you report out progress?
- Injects



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Next Steps:

- Hotwash
- After Action/Improvement Plan
- Distribute



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LEPC SHELTER IN PLACE



- Everyone has hazmat in their community
 - No time to educate the public in the moment when seconds count
- Our outdoor warning sirens are “All Hazard”
 - The last siren test of each year is “Shelter in Place”
- We created simple instructions on the miottawa website for Home, Vehicle, Workplace
- We created tutorial videos for Business, Residence, Schools
- We have the media push out the idea to the public and we put it out on social media
 - For any public who don't follow the story, they simply know that it's another siren test
- The public can think about what they would do, or make a plan, or physically play along
- We have a survey for feedback (One of our hospitals, our jail, struggle with schools)

LEPC SHELTER IN PLACE



Written instructions:

<https://www.miottawa.org/Sheriff/LEPC/home.htm>

Video Tutorials:

https://youtu.be/L_xgdmRvzWc

THE YEARLY LEPC

CONFERENCE

- Yearly
- Public safety and our area businesses are invited
- We feed them well
- We may have a training agenda
- Often we do a tabletop
 - Don't end it at response, move into recovery

QUESTIONS?

- Thank you for your time
- We want to share our template and materials with you
- Sign up sheet in the back of the room
- Lou Hunt 616-738-4050, lhunt@miottawa.org
- Derek Schroeder 616-738-4051, dschroeder@miottawa.org