



Emergency Management
NC DEPARTMENT OF PUBLIC SAFETY

NORTH CAROLINA HAZARDOUS MATERIALS



North Carolina Emergency Management





Numbers you should be aware of:

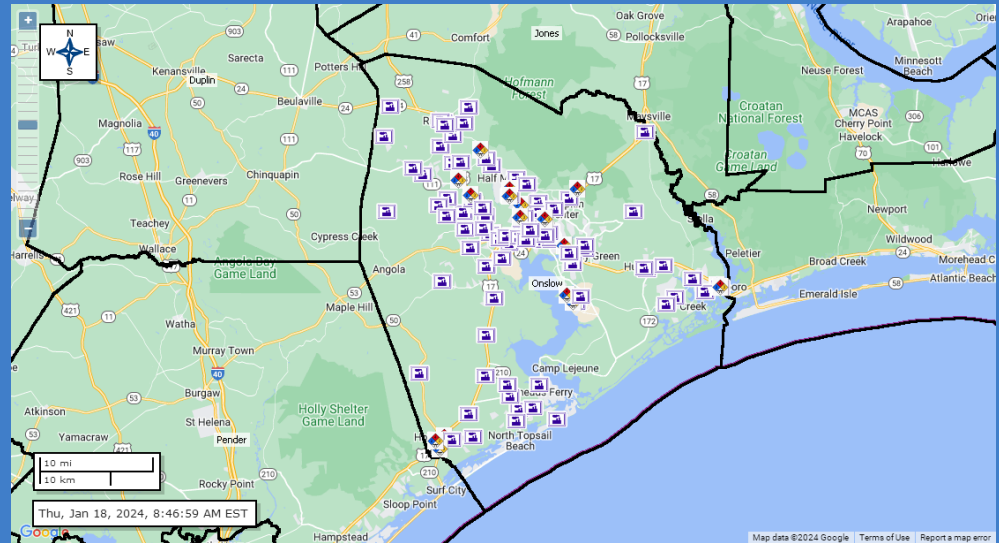
- 301 Establishes SERC, LEPCs, TERCs: Emergency Planning
- 302 Extremely Hazardous Substances: TPQ 500 lbs or lower Emergency Planning
- 303 CEMP: Emergency Planning <https://www.epa.gov/epcra/emergency-planning>
- 304 Release Notifications <https://www.epa.gov/epcra/emergency-release-notifications>
- DOL Hazardous Substances: 55 gallons/ 500lb RTK
- 311/312 Hazardous Substances: TPQ 10,000 lbs or higher
<https://www.epa.gov/epcra/hazardous-chemical-inventory-reporting>
- 313: Toxic Release Inventories <https://www.epa.gov/toxics-release-inventory-tri-program>
- 322 Trade Secrets <https://www.epa.gov/epcra/epcra-trade-secret-forms-and-instructions>
- 112R: RMP: Flammable or EHS above TPQ <https://www.epa.gov/rmp/fact-sheet-clean-air-act-section-112r-accidental-release-prevention-risk-management-plan-rule>





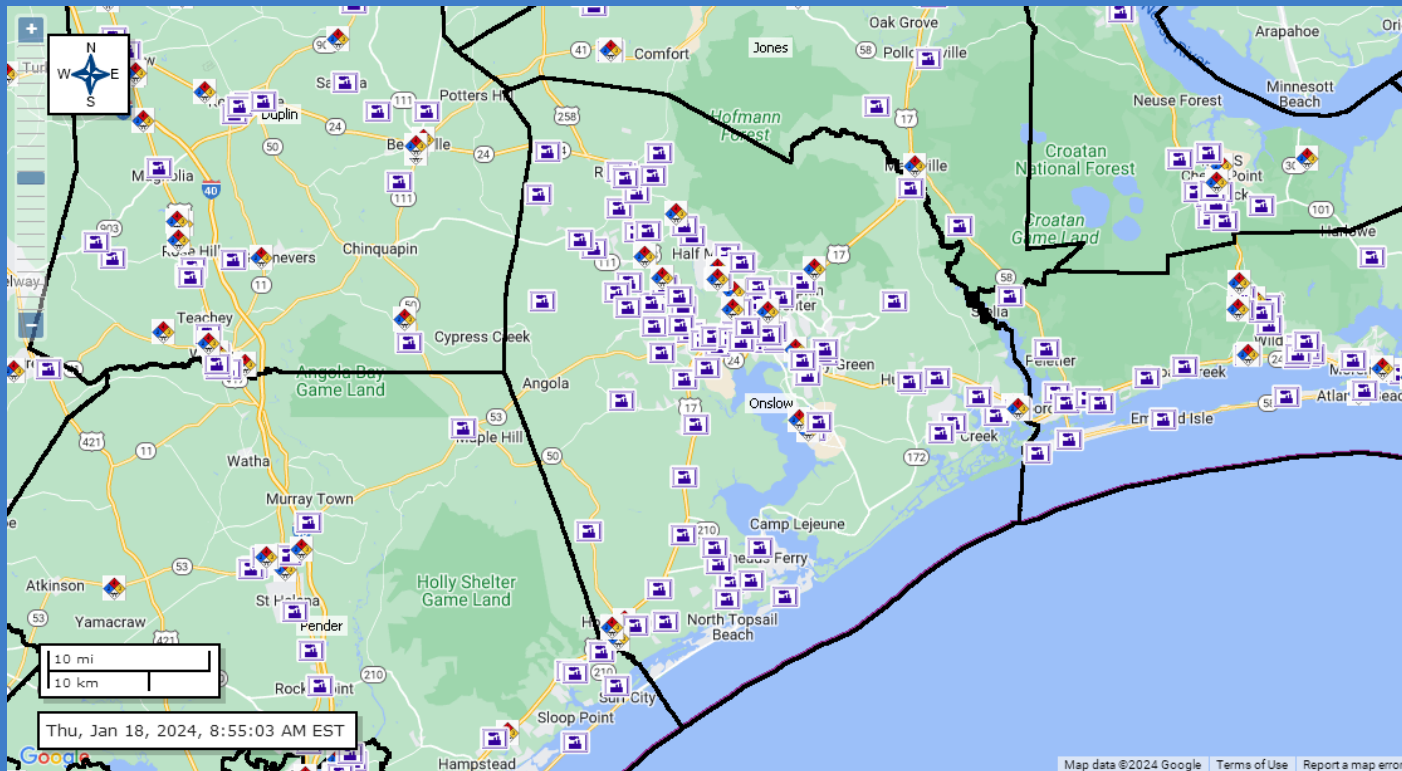
Onslow Tier II Facilities

- As of December 2023
- **114** Tier II Facilities: 37% INCREASE
- **291** Different Chemicals/Products
- **153** Unique Chemicals
- **25** Extremely Hazardous Substance Facilities
- **1** Risk Management Program Facility
- Regional Hazmat Team – RRT-2, Wilmington





Howdy Neighbor!





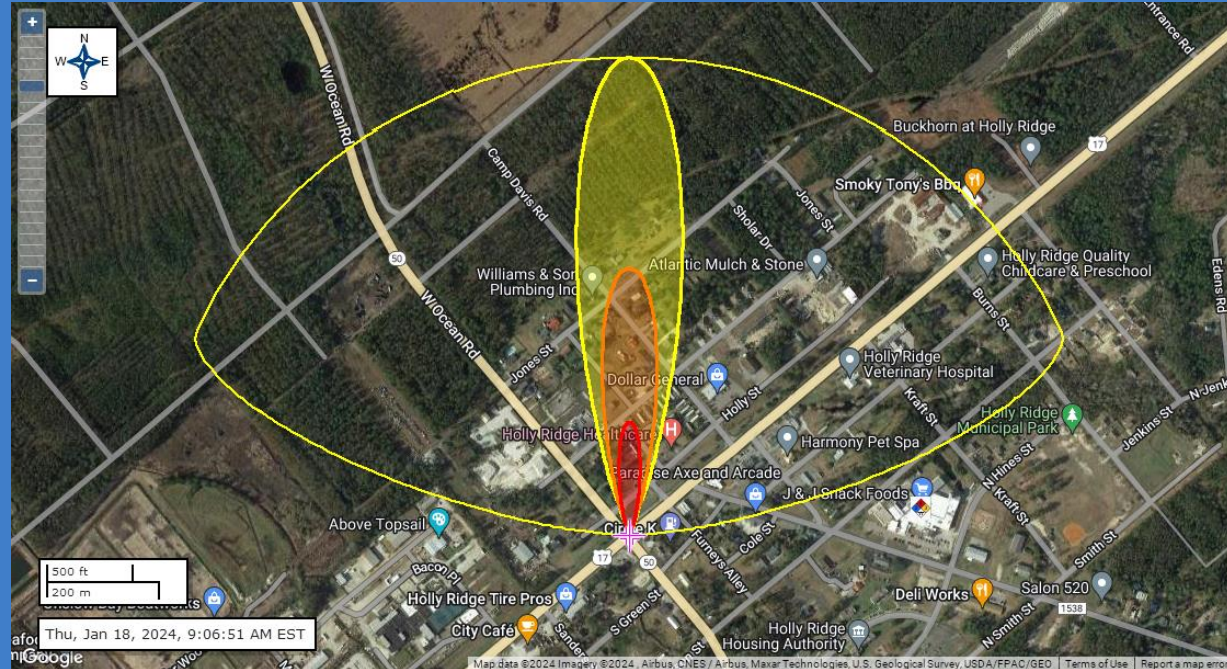
LEPCs – All Hazard Approach

- What are the hazards in your community?
- How are the hazards being addressed?
- What gaps are identified?
- How is the LEPC an avenue for partnership between organizations?



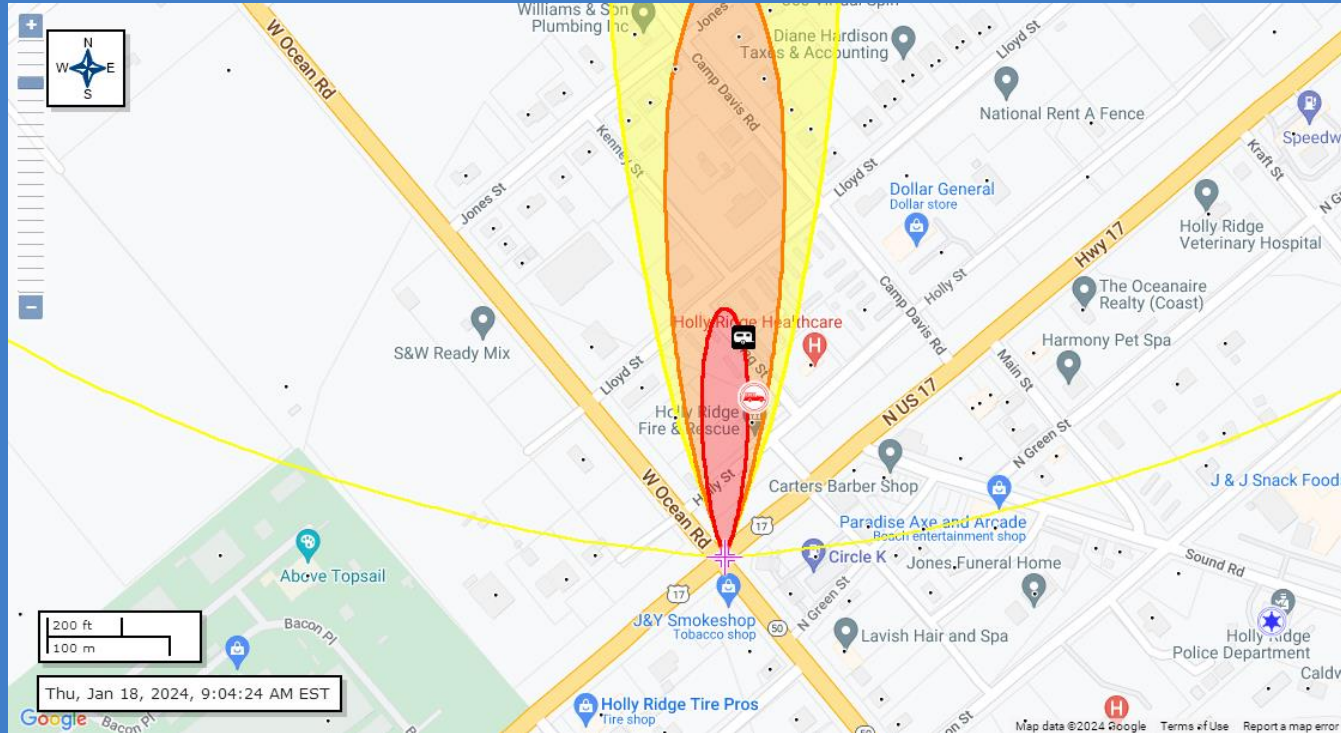
Hazmat Scenario

- Scenario – 331 tanker is involved in an accident on W Ocean Rd & 17
- Weather (1/18/2024)
- Who's coming and involved?



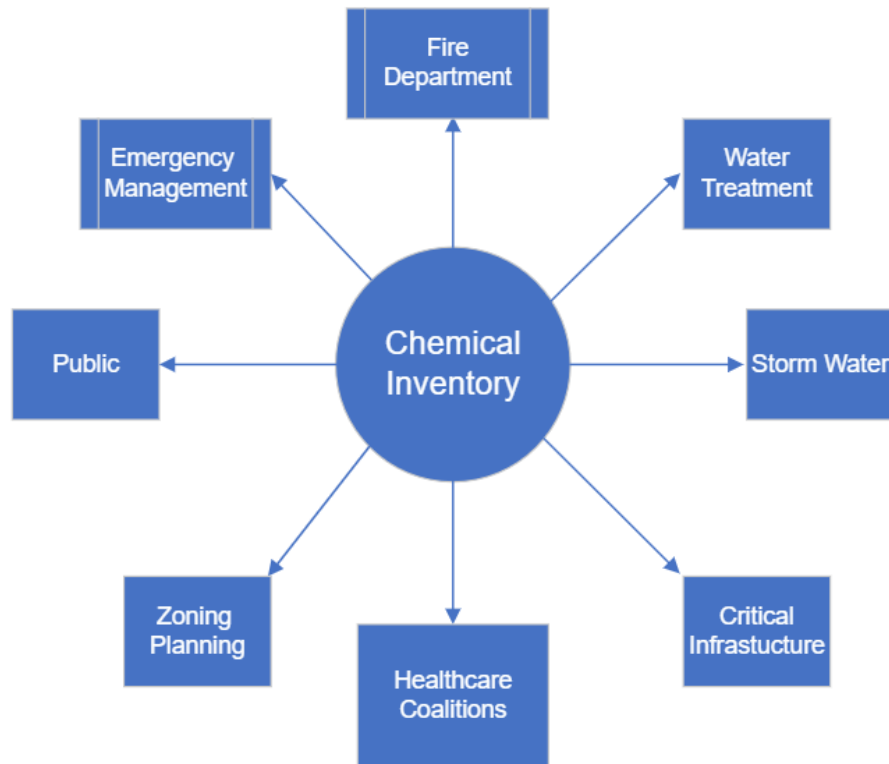


Hazmat Scenario: Who may it impact?





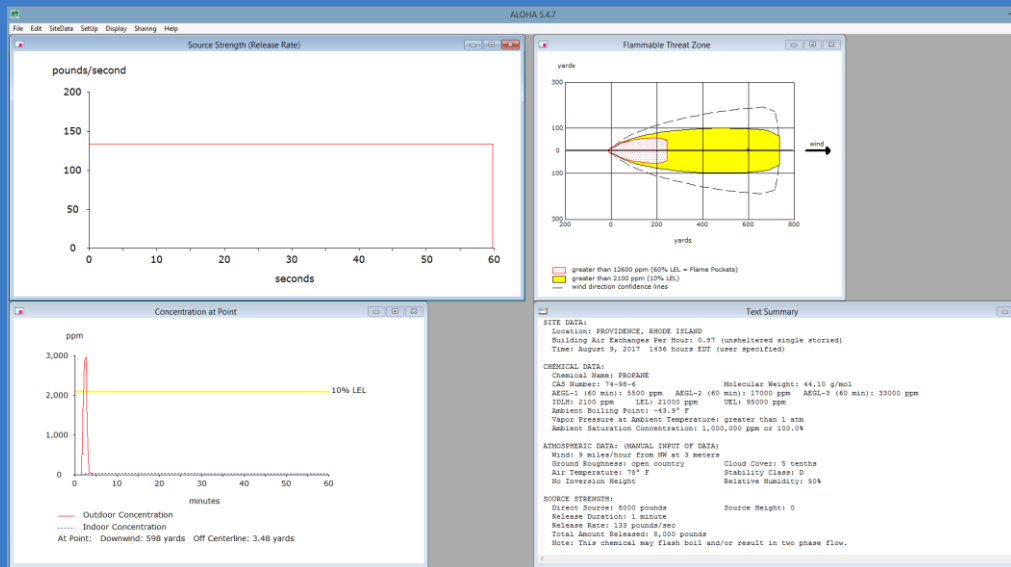
Tier II Submitted Then What?





Chemical Planning

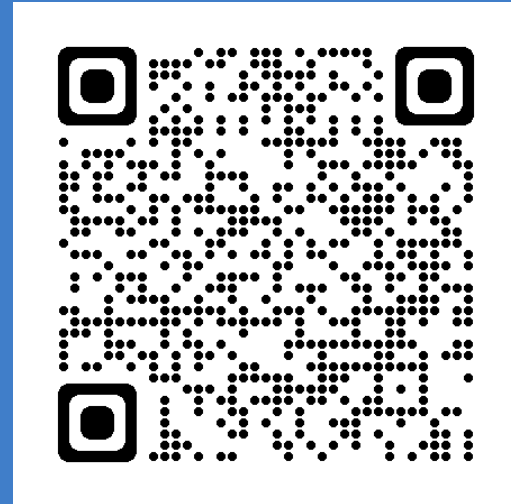
- Partnership
- How do facility EOP/EAP roll into the city/county EOP?
- Shelter in place or evacuate? Public Notification
- Road Closures
- 911 Centers – Message to communicate
- Are medical facilities ready to receive chemically exposed patients?





Tier II and Public Information Requests

- Emergency plans (EPCRA 303)
- SDS (311)
- Inventory/List of Hazardous Chemicals (311/312)
- Follow-up emergency notification (EPCRA 304)
- <https://www.ncdps.gov/tier2-info-requests>





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NORTH CAROLINA CHEMICAL ACCIDENT PREVENTION PROGRAM



Risk Management Program



North Carolina Emergency Management Hazardous Materials





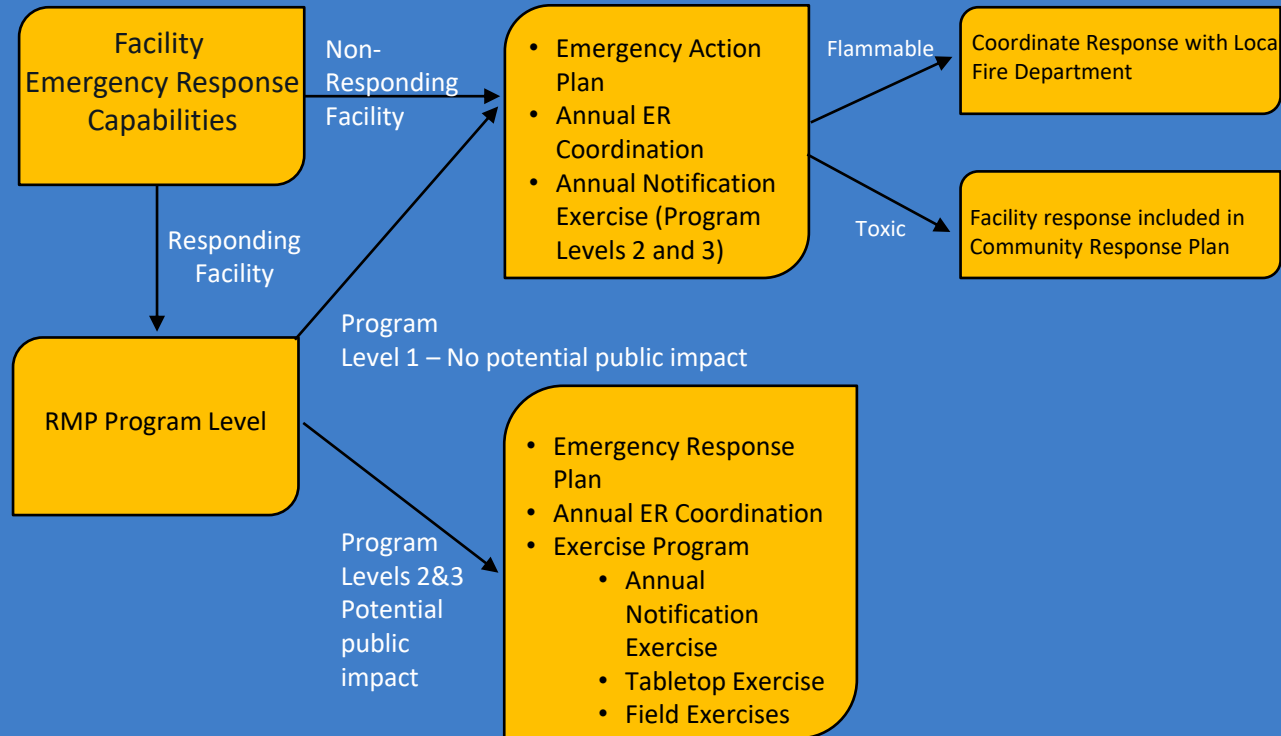
December 19, 2019 RMP Final Rule

Activity to Complete	Due Date
Develop Emergency Response Program - Chemical, Quantity, Resource and Capabilities	Within three years of owner or operator determining that facility is subject to the provisions
Annual Coordination Requirements -Updates to Community ERP	Facilities shall coordinate response needs with local emergency planning and response organizations annually and more frequently if necessary.
Develop exercise plans and schedules – facility ER staff, contractors	December 19, 2023 Frequency determined by coordination with facility and local emergency response officials
Conduct first annual notification exercise	December 19, 2024 Notification exercises. At least once each calendar year, the owner or operator of a facility with any Program 2 or Program 3 process shall conduct an exercise of the facility's emergency response notification mechanisms
Conduct first field exercise -simulated accidental release	According to the exercise schedule established by the owner or operator in coordination with local response agencies
Conduct first tabletop exercise -simulated accidental release	December 21, 2026 Frequency at minimum every 3 years





RMP Facility Category Flowchart





December 2023 Written Exercise Program Responding Facilities

The owner or operator shall consult with local emergency response officials to establish an appropriate exercise type (tabletop, field, full scale, etc.) and appropriate frequency. The Emergency Response Exercise Program Shall Include:

- **The exercise type** – to involve the simulated accidental release of a regulated substance (toxic/flammable/both)
- **Frequency** - annual, 3-year, 5-year, 10-year, etc.
- **Scope** – Test plan, personnel and equipment
- **Documentation**



Facility ER Requirement - Notification Exercise

- For Program Level 2 and 3 Facilities (facilities that have the potential to chemical release to the public)
- Annual requirement, initial conducted before December 19, 2024, annually after
- Exercise emergency notifications
- May complete as part of tabletop or field exercise
- Facilities must keep record of notifications for a 5-year period





December 2023 Written Exercise Program Responding Facilities

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- **Scope** – Test plan, personnel and equipment
- **Documentation**

Exercise
Identify Gaps
Address
Repeat





Responding Facilities Emergency Response Exercises

- Exercises shall involve facility emergency response personnel and emergency response contractors (if facilities rely on response contractors)
- Local public responders must be invited to assist with planning and participate in the exercise
- Facilities and local responders determine the frequency and type of field exercises
- Tabletop exercises must be completed before December 21, 2026, and then minimally once every 3 years.



Winston Salem Fire
Image courtesy of NBC News

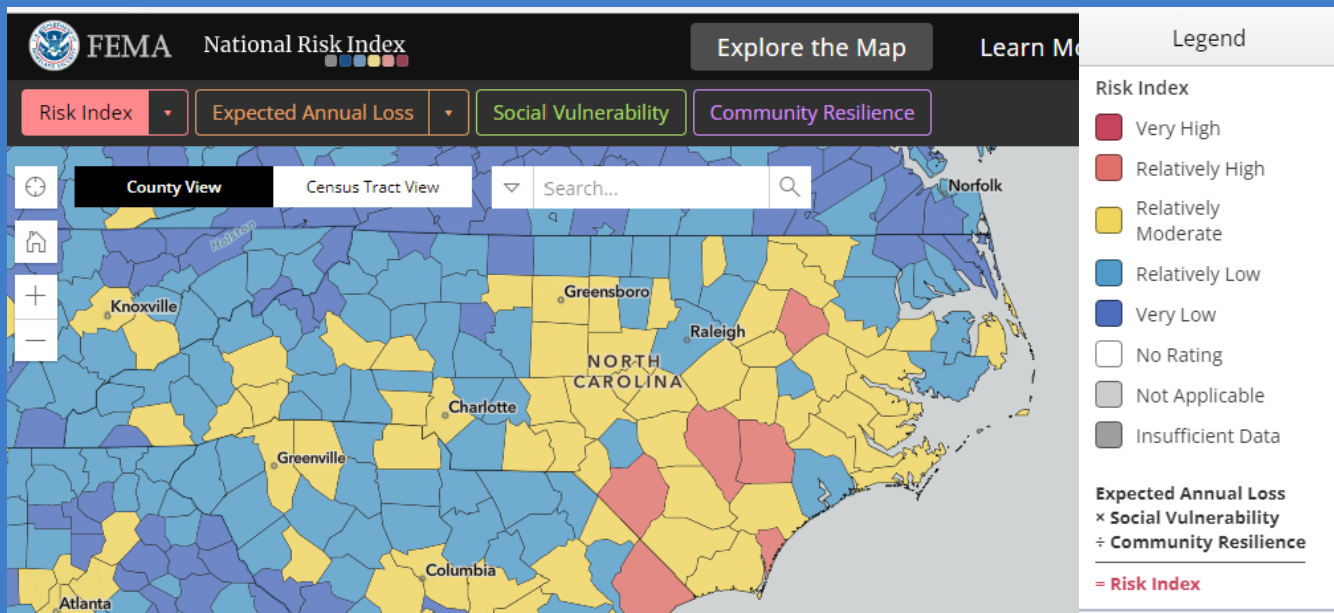


RMP Proposed Provisions

1. Evaluate risk from natural hazards and power loss
2. Evaluate community risk (facility siting)
3. Adopted safer technologies and alternative analysis
4. Root cause analysis incident investigations
5. Third party compliance audits
6. Enhanced employee participation
7. Emergency response requirements
8. Enhanced Emergency response exercises
9. Enhanced information availability
10. Other areas of technical clarification



Natural Hazard Analysis



EPA requested if they should develop additional guidance for assessing natural hazards

- Best practice for any hazardous materials facility is to include natural hazards in the facility emergency procedures



NCEM Hazmat Resources

<https://www.ncdps.gov/our-organization/emergency-management/hazardous-materials>

- LEPC contacts and resources such as National LEPC-TEPC Handbook and Chemical Exposure and Medical Treatment
- EPCRA/Tier II common questions and answers
- Emergency planning and response resources

[Chemical Release Notifications for Facilities](#)

[Chemical Safety & Reporting](#)

[Local Emergency Planning Committees](#)

[North Carolina Rules and Regulations](#)

[EPCRA/Tier 2](#)

[Risk Management Program \(CAA 112r\)](#)

[America's Water Infrastructure Act](#)

[Regional Response Teams](#)

[Hazardous Materials Storage](#)

[Emergency Response Resources](#)





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Cyber Security Response Force

Provide cyber security assistance to State, Local, and Critical Infrastructure providers

Assessment

- Assessment of information security program, environmental factors, and technical area review
- Purpose is to identify potential gaps in coverage as well as provide baseline of improvement recommendations
- Conducted using industry best practices and DOD Security Technical Implementation Guidelines (STIGs)
- Output is comprehensive report outlining vulnerabilities and recommended solutions





N.C. Joint Cybersecurity Task Force

State Agencies	Local Governments, Academic Institutions & Private Sector Entities
Contact the NCDIT Customer Support Center at 800-722-3946.	Report cybersecurity incidents to the N.C. Joint Cyber Security Task Force by contacting the N.C. Emergency Management 24-Hour Watch Center, at NCEOC@ncdps.gov or at 1-800-858-0368.
Use the Statewide Cybersecurity Incident Report form .	For general inquiries or support, contact the N.C. Joint Cyber Security Task Force at ncisaac@ncsbi.gov .

<https://it.nc.gov/programs/cybersecurity-risk-management>





CISA Chemlock

<https://www.cisa.gov/resources-tools/programs/chemlock>



- Chemlock On-Site Assessments and Assistance
- Resources
- Facility security plan exercises
- Live training to assist owners, operators, facility personnel, and retailers



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Submittals to State Emergency Response Commission (SERC)

Tier II – Electronic Submittal in E-Plan meets submitting to the NC SERC
(and *most* NC LEPCs/local fire departments)

Facilities may upload other regulatory documents into E-Plan or
send hazardous material/waste documents electronically to

epcra@ncdps.gov

NO HARDCOPIES REQUIRED!!!

RCRA Hazardous Waste Contingency Plans

Hazardous Cleanup Reports

304 Follow Up Notifications





NCEM Hazmat Resources

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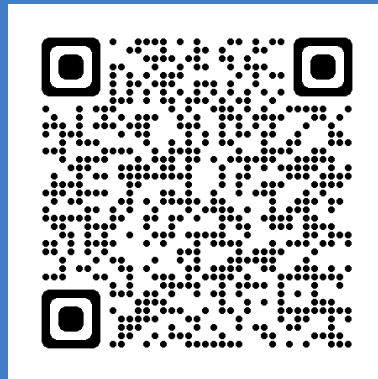
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[Hazardous Materials Storage](#)

[Emergency Response Resources](#)





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POCs for HAZMAT, Tier II or RMP Questions

NCEM Hazardous Material Coordinators:

Sarah Robison and Tom Steelman
Risk Management Program

Stefan Coutoulakis – Tier II, CAMEO

Cole Owen – Hazardous Materials Emergency Planning Grant

JR Griffin – Regional Response Team

EMAIL:

EPCRA@ncdps.gov

POC for RMP Regulatory Compliance Questions

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112(r) Program
Coordinator NC DAQ
919-707-8443

EMAIL:

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Requested updates for Tier2 Submit “State Fields”

Annual opportunity to improve North Carolina EPCRA 311/312 reporting requirements





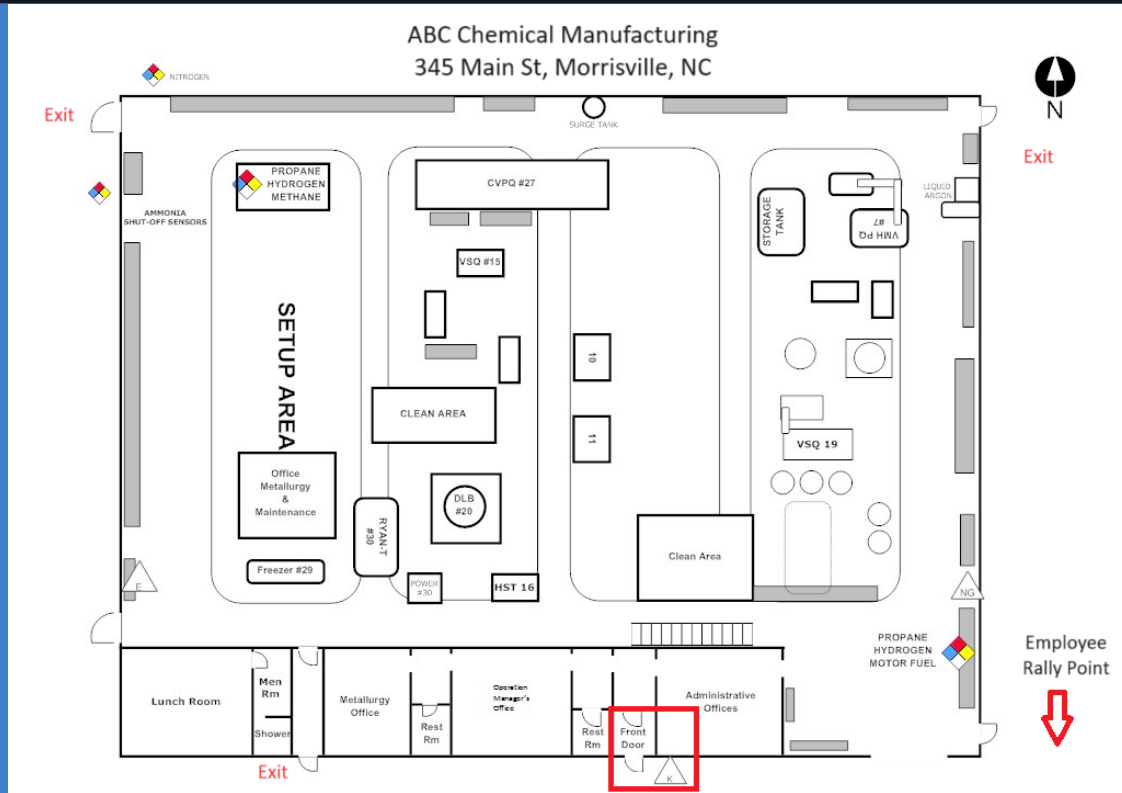
North Carolina Enhancements:

- **Company Name:** In addition to facility name – Assists to filter and sort facilities
- **Identify First Response Agency** – Link to Office of State Fire Marshal
- **Identify Hazardous Materials Response Team**
- **Site Plans** (Floor plans, not aerial)
- Required for EPCRA Section 302 facilities, optional for 312 (local input)* see next slide for instructions, EPCRA 303(c)
- **Transportation component:** Highway, Rail, Ship/Barge, Other (pipeline, etc.)
 - (Yes/ No or Type button)
- **Shipment Specifics:** Frequency, state of matter, container, time on-site (for more than 24-hours)
 - (Yes/ No or Type button)
- **Regulatory Associated Information:** CFATS, RCRA*, RMP, TRI, OSHA
 - (Yes/ No or Type button)
 - Facility is already aware of their program requirements*



North Carolina Enhancements:

- ***RCRA Facility** drop down menu:
 - o Large Quantity Generator
 - o Small Quantity Generator
 - o Very Small Quantity Generator
- **Maximum Amount in Largest Container Size** – Used for emergency planning
- **Deregistration** - The facility is under the threshold planning quantity for all reportable chemicals and is no longer subject to EPCRA reporting
 - (Yes / No)
Reminder: Right to Know for EPCRA 311 and OSHA reporting thresholds are 55 gallons/500 pounds. Continue to submit a 311 if applicable.
- **Facility field that identifies their category:** Private Industry, Government, Tribal, Agricultural, Educational
 - (Yes/ No OR Type button)



Site Plan Components

1. North will always be on top
2. Name and address
3. Floor Plan, not aerial
4. Access/ Egress
5. HAZMAT locations/Areas
6. Employee Rally Points



Tier II Submittals – Best Practice

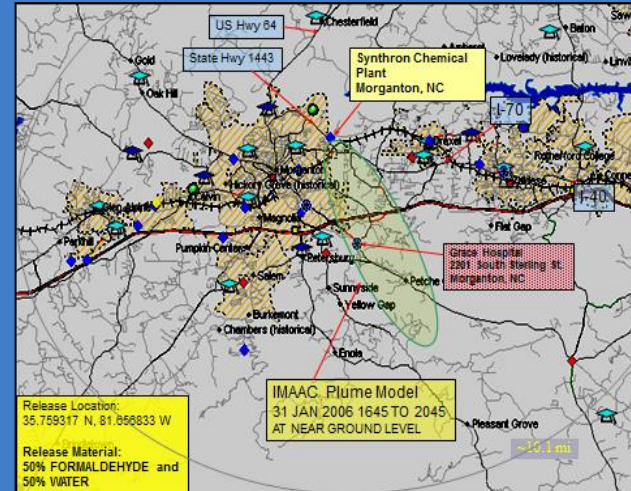
- Facility coordinates are on the facility or where majority of hazmat is stored
- Facility 24-Hour Emergency Contact – Answered by a PERSON not automated
- Having more than 1 contact listed (same person for owner, emergency contact Tier II filer, etc. not acceptable); indicating primary, secondary... 24-Hour
- The chemical name or the common name as indicated on the SDS
 - Can responders cross reference the chemical inventory to the SDS provided?
- A brief description of the how the chemical is stored
- The location of the chemical at the facility
 - An indication of whether the owner of the facility elects to withhold location information from disclosure to the public





Tier II Submittals – Best Practice Continued

- Provide chemical CAS numbers and concentrations, complete the physical and health hazards provided in SDS Section 2 Hazard identification and Section 15 Regulatory information
- Enter the max in largest container and container types
- Ensure all products have SDS (not MSDS)





Utilizing E-Plan for Responses Tier II Submittals

Chemical Inventory EPCRA 304 Report	Additional Information
Facility Documents	
No uploaded document	
Emergency Plan	
No uploaded document	
Hazard Analysis	
No uploaded document	



Questions



United States
Environmental Protection
Agency



Environmental Topics ▾

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Topic	
<input checked="" type="checkbox"/> Emergency Planning and Community Right-to-Know	303
<input checked="" type="checkbox"/> Tier II Reporting (EPCRA 311/312)	147
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☒ Emergency Planning and Community Right-to-Know

☒ Tier II Reporting (EPCRA 311/312)

[Remove all filters](#)

Displaying 1 - 15 of 303 results

[Recommended approach for reporting lead acid batteries when complying with Tier II reporting](#)

Does EPA have a standard or recommended reporting approach for lead acid batteries when complying with EPCRA Section 312 Chemical Inventory Reporting (i.e., Tier II reporting)? EPA suggests that facilities report for lead acid





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