



ONSOLVE®

PREPARED^{EX}

Hurricane Ready: A Virtual Hurricane Tabletop Exercise

Welcome



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PREPAREDEX



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 **ONSOLVE**[®]

Today's Goals



Educate



Connect



Share

Simulation Objectives

1

Evaluate the immediate response
to a significant hurricane event

2

Assess mid-term recovery efforts
and adapt to emerging challenges

3

Evaluate long-term recovery
and resilience planning

Exercise Roles and Responsibilities

- 1 Scribe** – manages the Master Events Log and captures any issues.
- 2 Crisis Coordinator** – manages any resources such as plans and related tools and keeps the team on schedule.
- 3 Leader** – manages the discussions and makes decisions with input from the team.
- 4 Facilitators** – will lead the exercise and support the breakout rooms to facilitate the exercise process and encourage dialog if/when needed. Works with the scribe to collect issues that are raised.
- 5 Observers** – listen to the discussions and answer questions in the observer instructions.



Roles for Today's Exercise

- Plant Manager
- Operations
- Maintenance
- Security
- PR / Communications
- HSE (Health, Safety and Environment)
- Human Resources
- Logistics
- Crisis Coordinator

About ECI

(Estero Chemical, Inc.)



Inject Period One

Inject 1.1 – August 1, 10:00 AM

BREAKING NEWS



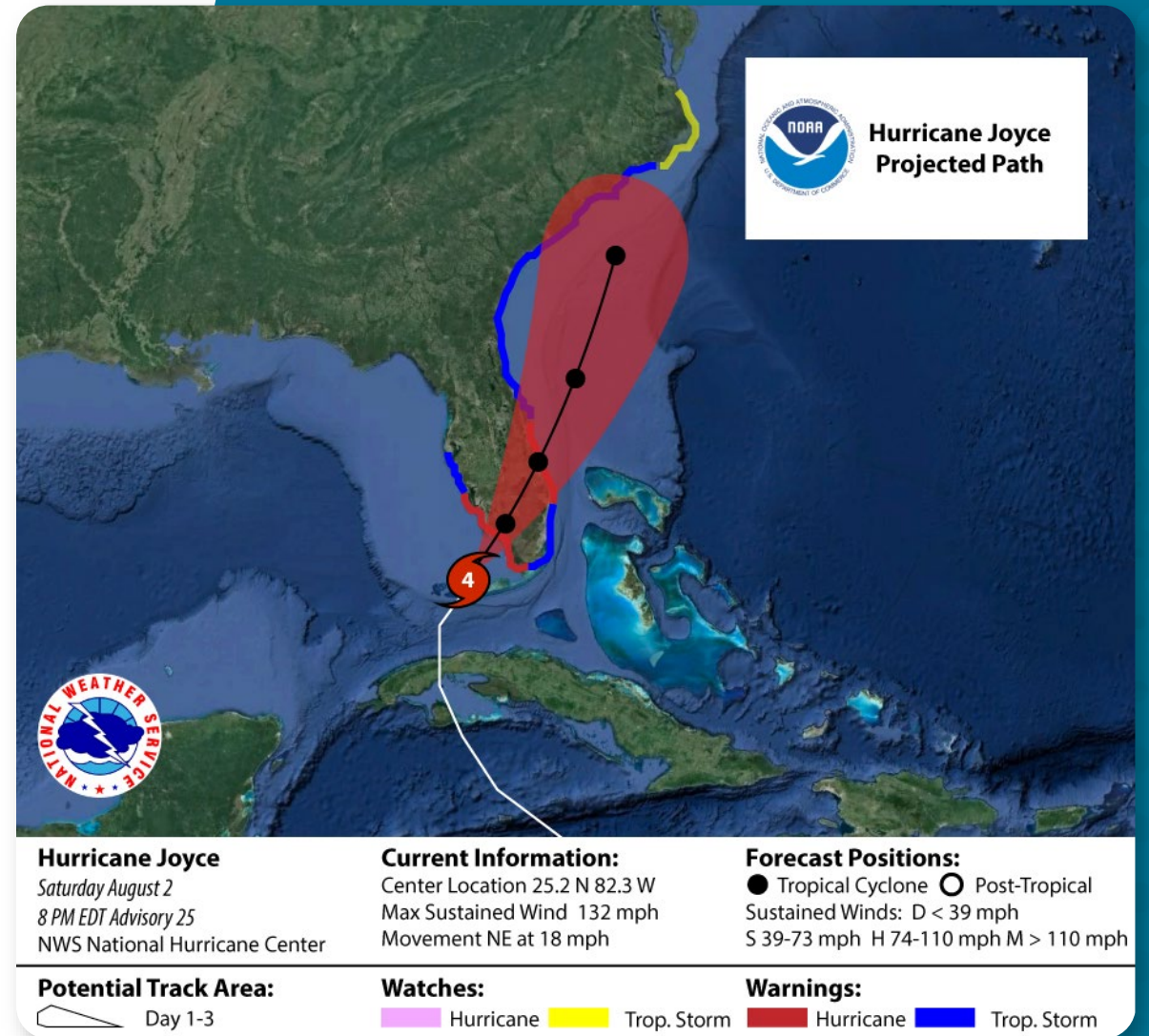
Inject Period One

Inject 1.2 – August 2, 8:00 PM

Weather Update:

Joyce strikes Cuba on Wednesday, August 1, as a Category 3 hurricane, causing heavy damage and four deaths. Joyce loses some of its strength as it crosses Cuba and is downgraded to a Category 2 hurricane. Later in the day, Joyce crosses over into the Gulf of Mexico. The hurricane is predicted to reach winds of 115 mph (185 km/h) upon landfall in the Bonita Springs area around 11:30pm on August 2nd.

About two hours before landfall, the National Hurricane Center issues a special advisory to notify the public that Joyce grew to a 145 mph (230 km/h) Category 4 hurricane, with a predicted landfall location in the Sanibel Island / Cape Coral area.



Inject Period One

Discussion Questions

- 1** Based on this news what are the planning considerations?
- 2** What is the notification protocol based on these types of reports?
- 3** Are there any other considerations at this stage?



BREAKOUT

for Inject Period One

Inject Period Two

Inject 2.1 – August 3, 5:45 AM

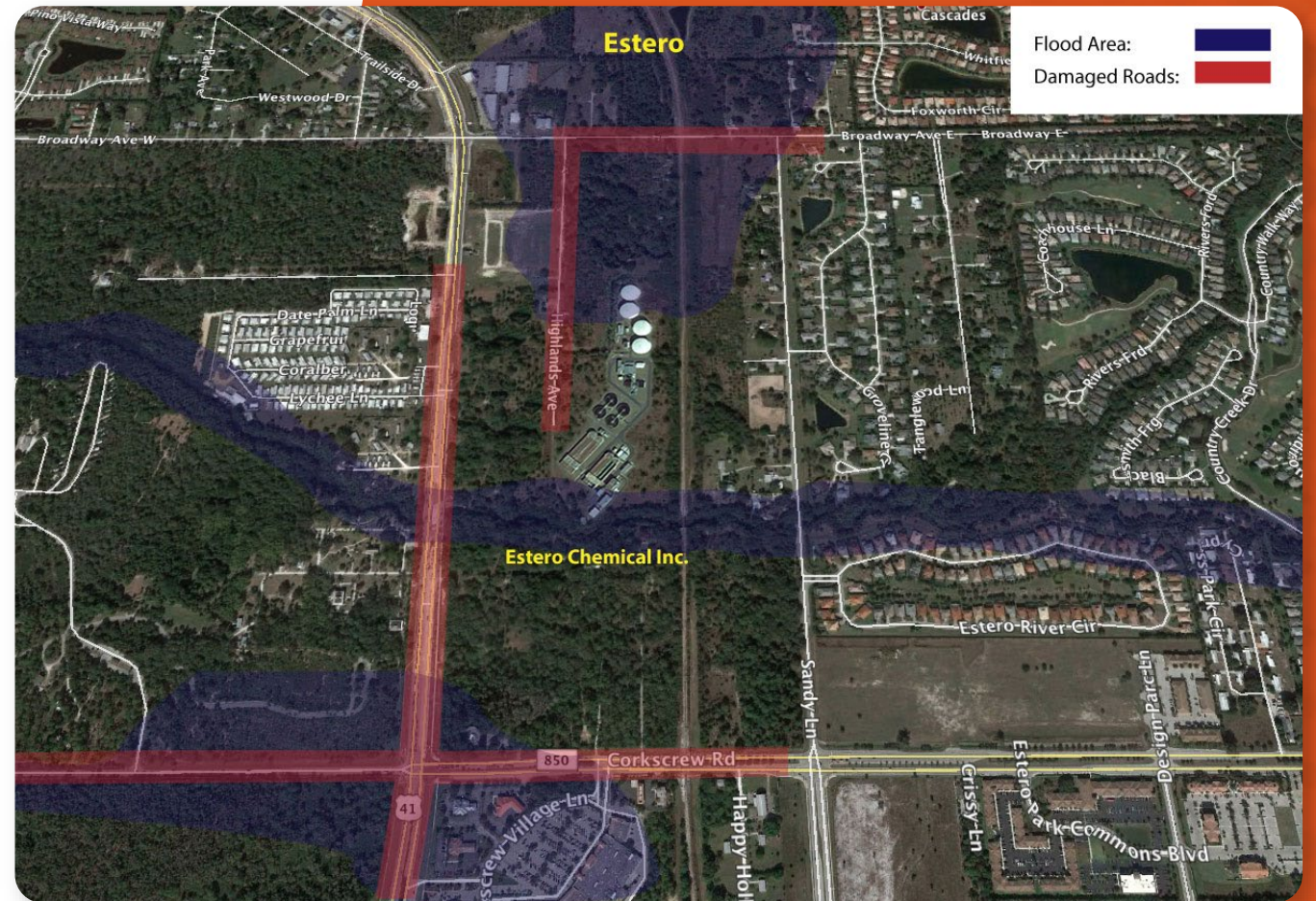
Local Radio Station – Report



Inject Period Two

Inject 2.2 – August 3, 5:00 PM

Police have reported many roads in the Bonita Springs / Estero area including sections of S. Tamiami Trail (route 41) and Highlands Ave. are inaccessible due to flooding and other storm damage. The following image shows the extent of the flooding.



Inject Period Two

Inject 2.3 – August 4, 9:15 AM

Operational Update:

Early inspection of the facility shows mostly flood and wind damage to the main administrative building, as well as damage to one of the four chemical holding tanks. There is a small to moderate leak coming from the damaged tank.

It is estimated that at least 30% of the workforce may not return to work for at least 48 hours as they are dealing with personal issues. Employees with homes in the area have been heavily effected as they try to come to terms with damage to their homes.



Inject Period Two

Discussion Questions

- 1** Based on the radio report what new issues are being raised that may impact the facility?
- 2** What are the planning considerations and how is the team coordinating?
- 3** What are the priorities at this stage?
- 4** How would the road blockage effect getting the facility back on-line?
- 5** How would the news of the blocked road be communicated to employees?



BREAKOUT

for Inject Period Two

Inject Period Three

Inject 3.1 – August 4, 12:37 PM

There's a loud explosion from the Northern corner of the facility where the ammonia is stored.

You receive word that several employees were in the area of the ammonia tank when an explosion went off. It is not yet clear how many.

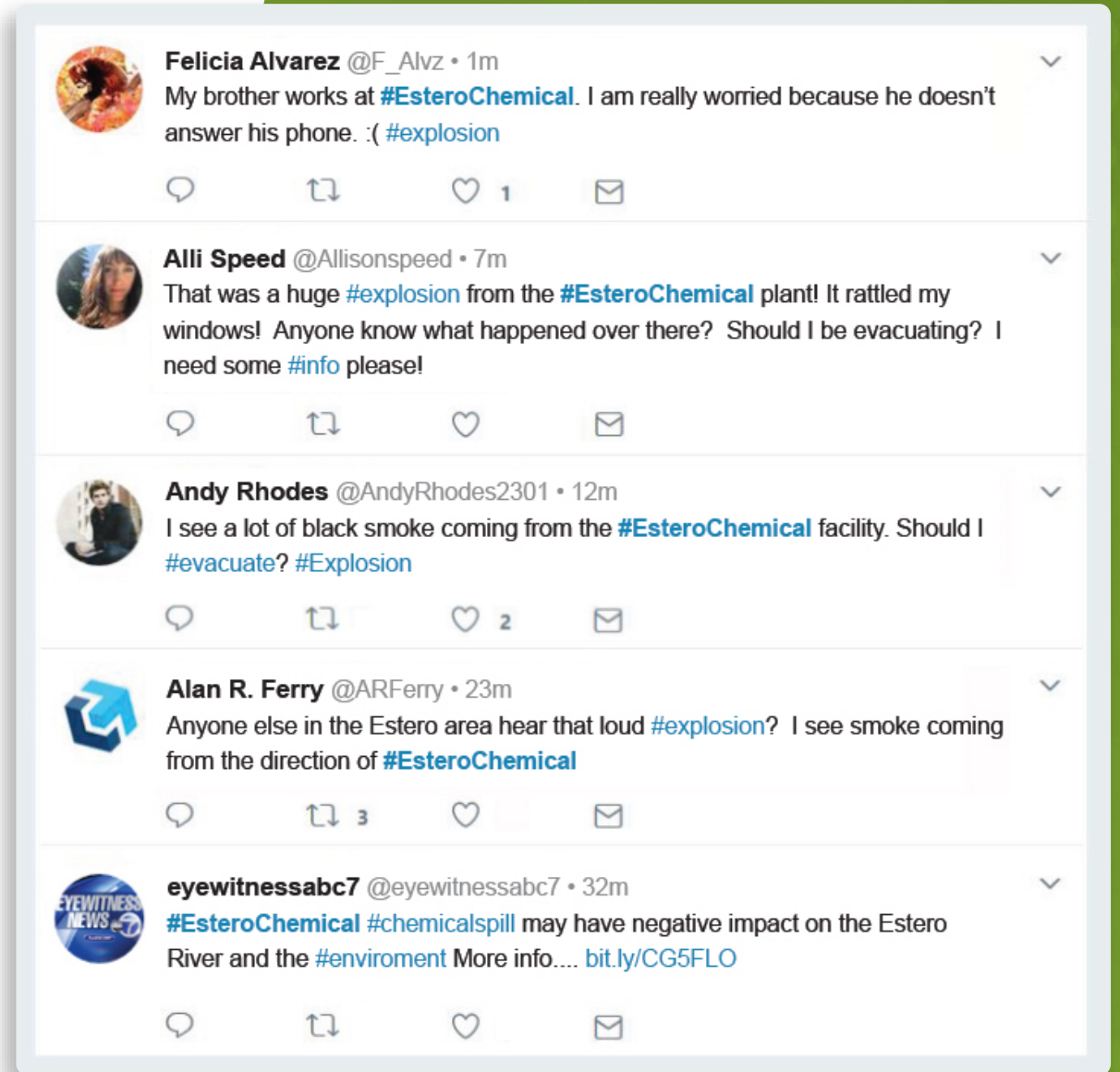


Inject Period Three

Inject 3.2 – August 4, 12:43 PM

SOCIAL MEDIA

#EsteroChemical



The screenshot shows a vertical list of five tweets on a mobile device. Each tweet includes a profile picture, the user's name and handle, the time since posted, the text of the tweet, and icons for replying, retweeting, liking, and direct messaging. The tweets are as follows:

- Felicia Alvarez** (@F_Alvz) • 1m: My brother works at [#EsteroChemical](#). I am really worried because he doesn't answer his phone. :([#explosion](#)
- Alli Speed** (@Allisonspeed) • 7m: That was a huge [#explosion](#) from the [#EsteroChemical](#) plant! It rattled my windows! Anyone know what happened over there? Should I be evacuating? I need some [#info](#) please!
- Andy Rhodes** (@AndyRhodes2301) • 12m: I see a lot of black smoke coming from the [#EsteroChemical](#) facility. Should I [#evacuate?](#) [#Explosion](#)
- Alan R. Ferry** (@ARFerry) • 23m: Anyone else in the Estero area hear that loud [#explosion?](#) I see smoke coming from the direction of [#EsteroChemical](#)
- eyewitnessabc7** (@eyewitnessabc7) • 32m: [#EsteroChemical](#) [#chemicalspill](#) may have negative impact on the Estero River and the [#enviroment](#) More info.... bit.ly/CG5FLO

Inject Period Three

Inject 3.3 – August 4, 12:58 PM

The report from the emergency response team is the following:

- Two employees have been killed. Fire, police and EMS are now on site and starting to coordinate.
- PPE (Personal Protection Equipment) is in use for anyone within a 500-yard radius of the tank.
- There is a fire that we are trying to put out and will report back as soon as we know more.



Inject Period Three

Inject 3.4 – August 4, 2:30 PM

The fire is extinguished, two injured employees have been taken to a nearby hospital, and the two casualties removed from site. The operations team continues to assess the damage to the facility from the storm and fire. It is noted that some of the leaked chemical may have entered the Estero River located at the south border of the facility. Several media helicopters are hovering overhead, and media and family members begin arriving at the gate.



Inject Period Three

Discussion Questions

- 1** What is your immediate response?
- 2** How will you gather the information you need to make decisions?
- 3** What are your priorities?
- 4** Are there any major challenges?
- 5** Who monitors social media?



BREAKOUT

for Inject Period Three

Well done, and thank you!

Gaps / Issues

- 1 What are some of the more significant issues that you identified?
- 2 What is the one thing you will take away from today's session?
- 3 Consider the question while filling out the feedback form.

Post Exercise

- Draft After Action Report (AAR) will be prepared based on:
 - Identified Gaps
 - Observations
- AAR review
- Final AAR and Executive Summary Video
- Remediation plan with owners

Who We Are



Technology

- Mass Notification
- Risk Intelligence
- Incident Management
- Travel Risk Management
- Historical Data

Intelligence Services

- Incident Management Services
- Incident Hotline
- Strategic Security Analysis
- Dark Web Analysis



Crisis Management Planning

- Custom Tabletop Exercises
- Presentation-Ready Crisis Scenarios
- Custom Self-Delivered Scenarios
- Functional Exercises
- Full Scale Exercises
- Drills
- The International Crisis Management Conference
- Crisis Management and Business Continuity Planning



Thank you for joining us!



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