



THE RESILIENT 21ST CENTURY BUSINESS:

How Managing Chemicals Can Help Your Business Weather the Storm

Did you know?

40% of disaster-struck businesses **NEVER REOPEN**

25% of disaster-struck businesses that reopen eventually **FAIL**

90% of businesses without a plan **FAIL within 2 YEARS** post-disaster



The average National Flood Insurance Program (NFIP) non-residential flood claim is almost \$90,000. Photo courtesy of The New London Day .

Do you have **hazardous materials, chemicals, or wastes** on site?

If so, then you may already be subject to regulatory requirements.

Extreme weather could put your business, employees, & local community at risk.

That's why it's important to **make your business resilient** in the face of natural disaster.

Here are some tools to help!

\$1 spent on hazard mitigation
=
\$6 saved on future disaster costs

National Institute of Building Sciences

Building your business was a big investment.

Here's what you can do to protect it:

Understand the risks to your business & community.

Know which chemicals your business has on site.

"Floodproof" your storage of chemicals, & train employees on managing on-site chemical risks.



Become a disaster-resilient, prepared business.

Here's what you can do:

Understand the risks to your business & community.

Extreme weather events are increasing in severity & frequency.

- Use the [CT Toxics Users & Climate Risk](#) viewer to see if your business is in a flood-prone area.
- Make sure you have the right flood insurance.
- Know who your neighbors are & if they have chemicals on site.

This is a public safety issue.

- Breached containment of chemicals & hazardous materials puts employee, first responder, & community health/safety at high risk.

Know how this may affect your business.

- Your business may be held liable for contamination & cleanup.
- Your property, assets, & inventory may be damaged or lost.

Eliminate
or
substitute for
less-toxic
materials!

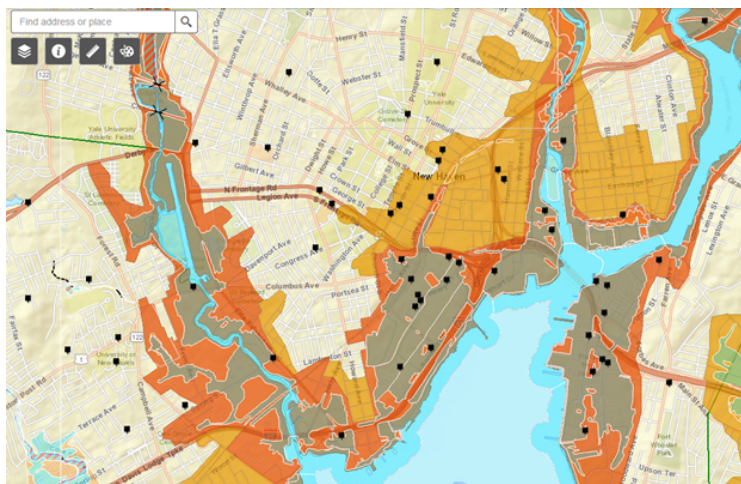
Know which chemicals your business has on site.

- Keep good records of chemicals bought, used, generated, disposed of, & stored.
- Work with health & safety experts to keep track of chemical characteristics, reactivity hazards, safe temperature/pressure/composition limits, & compatibility.
- Include hazardous materials management in your emergency plans, & keep local emergency management officials in the loop.

"Floodproof" your storage of chemicals & hazardous materials, & train employees on managing on-site chemical risks.

- Regularly inspect, maintain, repair, & upgrade your facility's storage equipment & personal protective equipment (PPE).
- Strengthen storage with secondary containment & by elevating, re-securing, & relocating chemicals prior to storms.

Become a disaster-resilient, prepared business.



Use DEEP's [CT Toxics Users & Climate Risk](#) Viewer to see if your business is in a flood-prone area.

your flood resiliency toolkit

strengthening your business's ability to anticipate, prepare for, adapt to, & recover rapidly from changing conditions & disruption.

Identifying Facility Flood Risk

Type in your facility's address & explore!

- **DEEP's CT Toxics Users & Climate Risk Viewer**
- **NOAA Sea Level Rise Viewer**

Technical Assistance

CT Dept of Energy & Environmental Protection, Pollution Prevention

Connie Mendolia & Kim Trella
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- DEEP's online training for businesses on managing chemicals before the storm (available March 2020)
ct.gov/deep/p2
- Network with other businesses by sharing BMPs
- Ask first responders to tour your facility

Prepare an Emergency Plan

- Get input from your employees.
- **FEMA's resources for businesses**
- **Ready Business toolkit**
- **SBA's guide to preparing for emergencies**
- **Resilient Nashua, NH Toolkit**

Flood Insurance

- Know the terms of your insurance
- If renting your facility: ask landlord
- Get cheaper, low risk coverage through Preferred Risk Policy
- **FEMA NFIP** (800) 427-4661 (National Flood Insurance Program)
- **Flood Smart**

Top 10 Chemicals Most Commonly Reported as Used in CT

Zinc compounds
Nitrate compounds
Dichloromethane
Ammonia
Certain glycol ethers
Methanol
Copper compounds
Copper
Ethylene glycol
Toluene

EPA Toxic Releases Inventory
2017

Save \$

- Preparedness may mean savings now & avoiding some disaster recovery costs later.



"Planning for critical incidents & training employees on proper emergency procedures should become a standard throughout any business model."

Allen Steinbeck
director of John Deere
Worldwide Security & Aviation