

Using Eplan for Fire Pre-Planning

How Wake County, NC has
Implemented this valuable tool.

Purpose of Emergency Management

- The Division of Emergency Management is the governmental function that coordinates and integrates all activities to build, sustain and improve the capability to prepare for, protect against, respond to, recover from or mitigate against threatened or actual natural disasters, acts of terrorism or other man-made disasters.
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The Familiar and the Expected

- ★ Hurricanes – Hugo, Fran, Floyd, Isabel, Frances & Ivan

- ★ Winter Storms

- ★ Tornadoes

- ★ Floods

- ★ **Hazardous Material Spills**


- ★ Forest Fires

- ★ Landfill Fires

- ★ Transportation Accidents

- ★ Water System Failures

- ★ Missing Persons



On December 3 1984, large amounts of water entered a tank at the Union Carbide factory in Bhopal, India. That water reacted with the 42 tons of methyl isocyanate inside, raising temperature and pressure so high that it began venting massive amounts of gas made up of methyl isocyanate, phosgene, hydrogen cyanide and more. The poisonous cloud swept through neighborhoods near the boundary wall, waking sleeping residents with burning throats and eyes, killing about 4,000 people in the first few hours. Over the next few years, the lingering effects increased that toll to about 15,000 dead, according to government estimates. A quarter-century later thousands of people are still grappling with the effects of the world's worst industrial accident and the continued contamination.





Here is what it Looks like 25 Years Later



ConAgra June 9, 2009





1986 - the U.S. Congress enacted **the Emergency Planning and Community Right-to-Know Act** as part of the Superfund Amendments and Reauthorization Act (SARA). This Act (PL 99-499)

Requires industry to provide information to local governments and citizens on the types and amounts of hazardous materials they manufacture, store, handle, use or release regularly into the environment

In Wake County and the State of North Carolina, the reportable quantities are 55 gallons or 500 pounds or more, of any OSHA Hazardous Substance; for Extremely Hazardous Substances (EHS), the Federal reportable quantities apply.

- **NOW We're Going to Get Into WHY Pre-Planning is so Important.**



Why Does Wake County Spend So Much Time Pre-Planning?

- Recent HIRA study identified hazmat as the biggest hazard in Wake County.
 - NC is the 3rd largest producer of chemicals in the US behind Texas and Louisiana.
 - The highway/roadway/rail line system in NC is the main corridor for transporting those chemicals.
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Looks Innocent Enough.....

Front Entrance



Entrance Lobby



Conference Room



Storage Room



Anyone Guess What's in Here?



Hazardous Waste



Chemical Lab Hoods



- **What resources are out there to protect me as a first responder?**
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On-Line Tier II Reporting with EPlan



Hazardous Material Data Storage Box

What are they and why do
we have them?

Hazardous Materials Data Storage Box

- Effective January 1, 1992, all commercial businesses in Wake County which use, store or manufacture Extremely Hazardous Substances (EHS's) that must be reported under local or State Right-to-Know laws, N.C.G.S. 95-173, et seq., or under Title III of the Superfund Amendments and Reauthorization Act (SARA) must have an approved on-site Hazardous Materials Chemical Data Storage Box (Wake County Ordinance §§ 2-5-1) at each facility where hazardous materials are found. This system uses an LEPC approved Hazardous Materials Storage Box that holds critical documents such as the Countywide Site Specific Plan (SSP)/Hazardous Materials Management Plan (HMMP), pre-fire plans, MSDS binders, and access keys. Pre-fire plans and MSDS sheets can be regularly updated by contacting Wake County Emergency Management or the local fire department to open the box or such updates can be performed during any normally scheduled fire inspection. Below is an explanatory guide regarding the contents to be placed in the Hazardous Materials Data Storage Box.
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Hazardous Materials Data Storage Box

- Hazardous Materials Data Storage Box (Required for EHS Facilities)
 - Contents:
 - Access Keys (optional, but recommended)
 - Site Specific Plan (SSP)/Hazardous Materials Management Plan (HMMP),
 - Containing the Following:
 - Chemical Inventories and Locations
 - Contact Persons
 - Emergency Plans
 - Evacuation Procedures
 - Floor Plans with Storage Locations Noted
 - Other Facility Specific Information
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Hazardous Materials Data Storage Box

What it Looks Like -

KNOX® Cabinet



Site Specific Emergency Plan

What is it and why does Wake
County require it?

Site Specific Emergency Planning

- Wake County has developed a unique chemical emergency planning program to assist industry, emergency responders, and local jurisdictions to prepare for a hazardous material emergency at a specific location.
 - This program is required for facilities that have EHS chemicals on site to comply with EPCRA section 303(d). Section 303(d) requires the LEPC to request all information from facilities needed for local emergency planning.
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EPLAN for Electronic Filing

Why Do We Report?

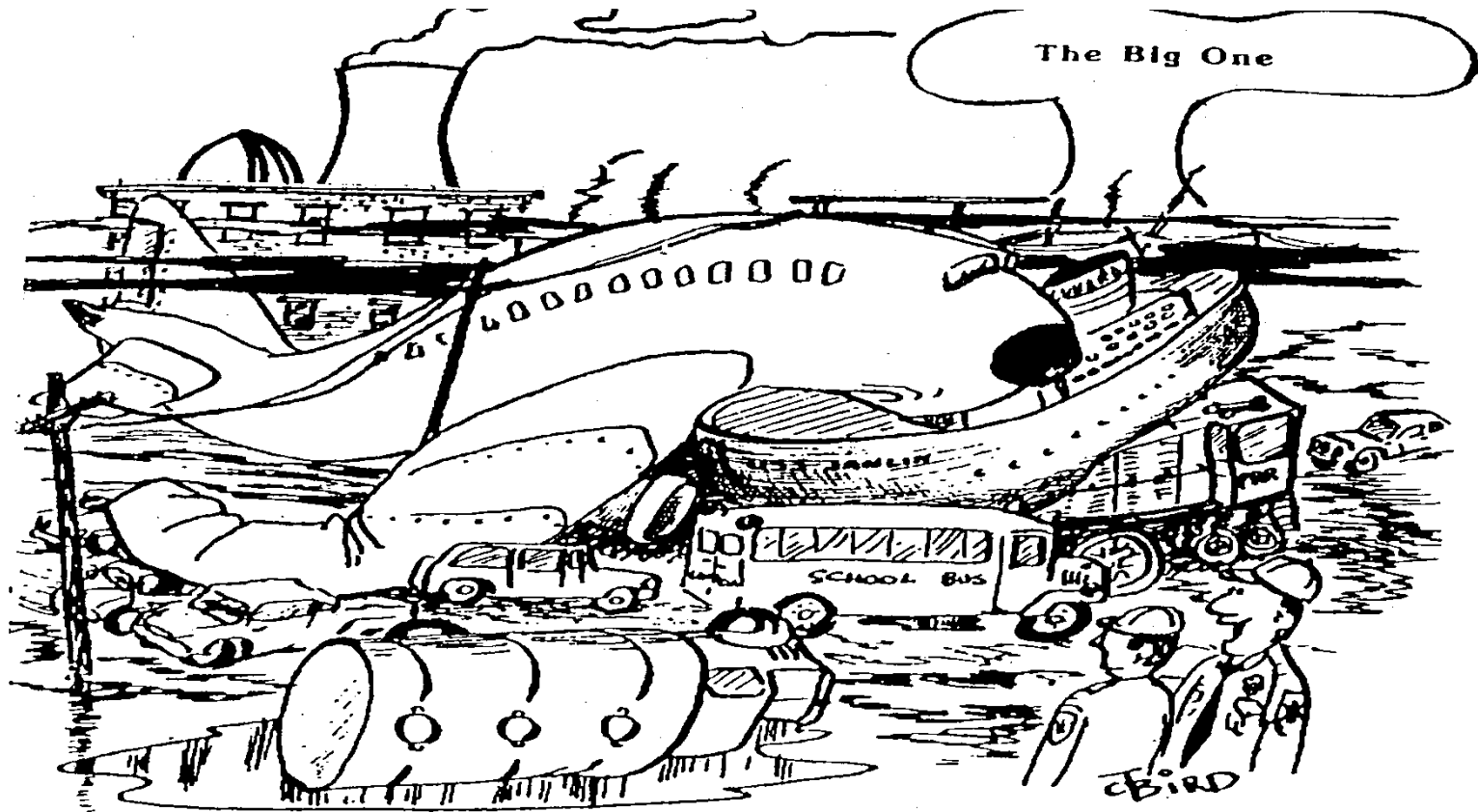
Purpose of Tier II Reporting

- To track the presence of hazardous chemicals in a systematic manner
 - To allow responding public safety personnel the ability to obtain critical information relating to both the facility itself and the hazardous chemicals contained within the facility.
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Why is this information so valuable?

So information is accessible to inform responders to the presence of hazardous chemicals, their locations, and other facility-specific information in the event the facility is too unstable to approach.

If responders arrive on a scene such as this...







Environmental Quality Fire

Oct. 5, 2006



Why NC and Wake County Chose Eplan?

- ❖ State of NC (SERC) adopted Eplan for the “One Stop Shopping” Concept.
 - ❖ Allows all counties to be on one system.
 - ❖ Wake County will no longer have to maintain an independent system.
 - ❖ Data is backed up in multiple locations
 - ❖ Built-in mapping and weather for responders.
 - ❖ Funded by DHS and EPA
 - ❖ In NC it is FREE to file Tier II through EPlan
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Benefits of Utilizing EPlan On-line

Tier II

Reporting System:

- Ease of Revision: Chemical/Facility information can be easily updated and edited
- On-line System is secure, with password protection and other features in place.
- Accessible 24/7 with excellent customer support if needed.

Just to name a few....

In Summary:

- EPlan allows for the easy submission and revision of Tier II Reports for more accurate information.
 - EPlan database is accessible 24/7 to all registered first responders without having to enter an unsafe environment.
 - Information can assist with fire pre-plans.
 - Data is backed up in multiple secure locations.
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Questions?

amy.ikerd@wakegov.com
