



**SARA TITLE III  
TIER II REPORT  
ONLINE FILING SYSTEM**

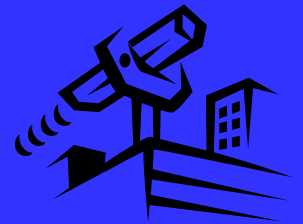


## Design of Highly Secure Web Based Systems

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The **CyberSecurity and Emergency Preparedness Institute (CSEPI) group at UT Dallas** has been developing highly secure, highly available web based systems since 1999. The systems are designed for security and have been secure since implementation and operate 24/7/365 at 5-9's availability.

These efforts have been recognized and certified by nationally known agencies.



# The University of Texas at Dallas ( UT Dallas)

CyberSecurity and Emergency Preparedness Institute has been nationally recognized as;



- **A Center of Academic Excellence in Information Assurance Research** (2008-2013) by NSA and DHS
- **A Center of Academic Excellence in Information Assurance Education** (2004-2007 & 2007-2012) by NSA and DHS
- **Information Security Management System ISO/IEC 27001**
  - Original Issue\* 2/18/2000 (BS 7799) by BSI
  - Latest Issue 02/16/2011 by BSI
  - Expires 02/22/2013 by BSI



\* CyberSecurity and Emergency Preparedness Institute at **UT Dallas** was the first organization in the U.S. to be certified to **British Standard 7799** Information Security Management System now ISO/IEC 27001

# The University of Texas at Dallas ( UT Dallas)

CyberSecurity and Emergency Preparedness Institute has been **collecting hazardous chemical facility data for eleven years**

- ✓ **E-Plan** started on 10/2/2000 through a contract agreement between EPA, Texas Commission on Environmental Quality, and UT Dallas to develop an “Emergency Management Information System” for first responders
- ✓ **UT Dallas Online Tier II Reporting System** was developed with input from local governments, state agencies, and the EPA Office of Emergency Management



**Secure.. Easy.. Fast.. Free**

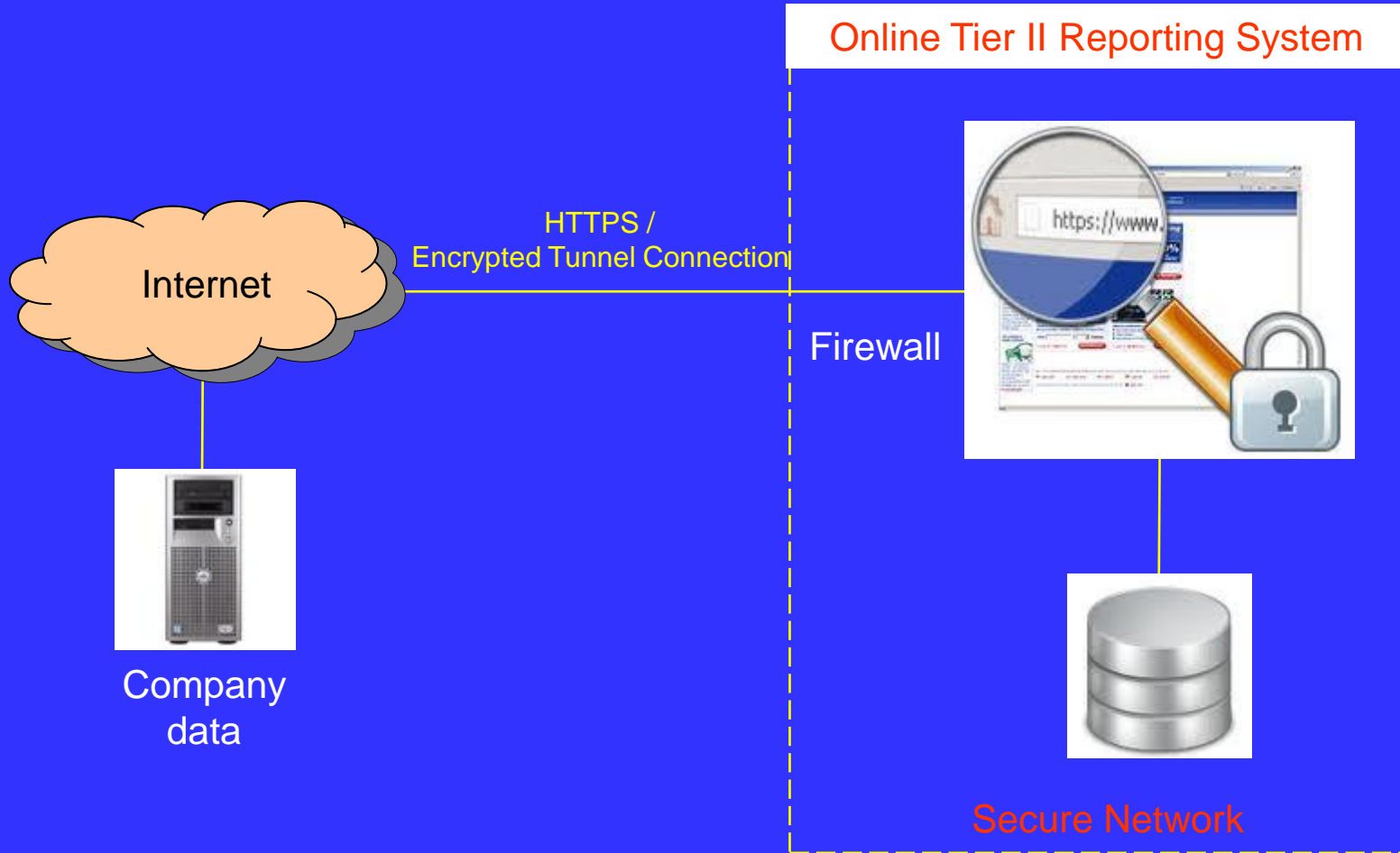
# The University of Texas at Dallas ( UT Dallas)

UT Dallas online Tier II reporting tool is a web based system that is *secure, fast, simple, and easy* for companies to use

- ✓ EPA funded UT Dallas to design, develop, and implement the online Tier II reporting system in 2005
  - The initial program development was successfully completed in July 2005
  - Beta testing done by EPA in August 2005
  - December 2005 – Filing year 2004: Pilot sites in Corpus Christi (TX), Chatham County (GA), and Erie county (NY) uploaded Tier II reports and site plans
- ✓ Since 2006 the cost to operate and maintain the system is paid solely by UT Dallas
  - In addition, UT Dallas, at their own expense, bought new servers for clustering and load balancing of the online filing system



# The University of Texas at Dallas ( UT Dallas)



# The University of Texas at Dallas ( UT Dallas)

## Companies use UT Dallas Online Tier II Reporting System to **save time and money filing Tier II reports**

- ✓ Fully compatible with the off-line Tier2 Submit software developed by EPA
  - No software to download or install
  - No facility based software updates required
- ✓ Copy data submission from previous year to filing year
- ✓ Maintain multiple years of facility records
- ✓ Import data from EPA Tier2 zip, .t2s, and CAMEO zip files
- ✓ Export data to several formats (e.g., Tier2 zip, .t2s, PDF)
- ✓ Upload site plans and other documents
- ✓ Use one account for facilities in multiple states



# The University of Texas at Dallas ( UT Dallas)

## Other benefits

- Free of charge to users
- All information is stored in **secure database**
- Once data is submitted,
  - The system sends an email message attached with a PDF report to data filer.
    - Facilities can forward the online receipt to state agencies and local governments.
  - The submitted data is **immediately available online** for first responders and governments officials
- Facilities can update information at any time. For example, North Carolina Treatment, Storage, Disposal (TSD) facilities have been updating their data daily.





## State Tier II Reporting Requirements

- For filing year 2010, five (5) States accepted UT Dallas online Tier2 submittals

State	Website
New York	<a href="http://www.dhSES.ny.gov/oem/disaster-prep/index.cfm#serc">http://www.dhSES.ny.gov/oem/disaster-prep/index.cfm#serc</a>
North Carolina	<a href="http://www.nccrimecontrol.org/Index2.cfm?a=000003,000010,000064,000390,000391">http://www.nccrimecontrol.org/Index2.cfm?a=000003,000010,000064,000390,000391</a>
Georgia	<a href="http://www.gaepd.org/Documents/tier2.html">http://www.gaepd.org/Documents/tier2.html</a>
South Carolina	<a href="http://www.scdhec.gov/environment/baq/EPCRA-Tier2Reporting/">http://www.scdhec.gov/environment/baq/EPCRA-Tier2Reporting/</a>
Tennessee	<a href="http://www.tnema.org/ema/preparedness/technical/chemicalinfo.html">http://www.tnema.org/ema/preparedness/technical/chemicalinfo.html</a>

- Some counties accepted UT Dallas online Tier2 submittals
- State of New Mexico may consider using UT Dallas online Tier II reporting system for filing year 2011

# The University of Texas at Dallas ( UT Dallas)

UT Dallas Online Tier II Reporting System web site

<https://tier2.erplan.net>

## Welcome to E-Plan's Online Tier II Reporting System

This easy E-Plan online reporting system will allow you to create a report you can submit to your state to meet their requirement for filing of (SARA Title III) Tier II Emergency and Hazardous Chemical Inventory Reports.

This system is free to company managers required to file their Tier II reports to the State each year.

Start by registering below to obtain an Access ID and password. If you have already entered data and want to update it, just Sign-in using your Access ID and password.

If you have comments or questions, please use the [Contact Us](#) button on any E-Plan website page.

Access ID

[Forgot Access ID](#)

Password

[Forgot Password](#)

**Sign In**

**New Users must first register their facility** [Register Now](#)

# The University of Texas at Dallas ( UT Dallas)

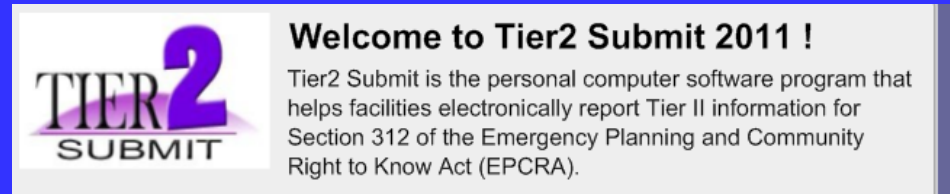
- ❖ Contact us button on any E-Plan website page  
<https://erplan.net/eplan/support/contactUs.htm>
- ❖ Frequently asked questions  
<http://eplannews.utdallas.edu/tier2faq/tier2faq.htm>
- ❖ Online training  
<http://eplannews.utdallas.edu/home.htm>
- ❖ Instructional Video Tours  
<http://tier2.erplan.net>

# The University of Texas at Dallas ( UT Dallas)

## EPA and UT Dallas new Tier2 Submit development schedule

<b>Time frame</b>	<b>Activity</b>
March 1 <sup>st</sup>	Last day for data submission
May	EPA sends out survey
June 15 <sup>th</sup>	EPA collects survey results and compiles requests
July 31 <sup>st</sup>	Beta testing by selected users
August 1 <sup>st</sup> – 15 <sup>th</sup>	EPA new development complete
September 30 <sup>th</sup>	Finalization documentation
October 15 <sup>th</sup>	EPA goes live on new Tier2 Submit Software
October 30 <sup>th</sup>	EPA fiscal year development complete
November 15 <sup>th</sup>	EPA sends changes to UT Dallas
December 15 <sup>th</sup>	UT Dallas new development complete
December 31 <sup>st</sup>	UT Dallas releases new online Tier2 Submit
January 1 <sup>st</sup>	First day for data submission

## Notes from EPA Office of Emergency Management



### ➤ Tier2\*Submit 2011:

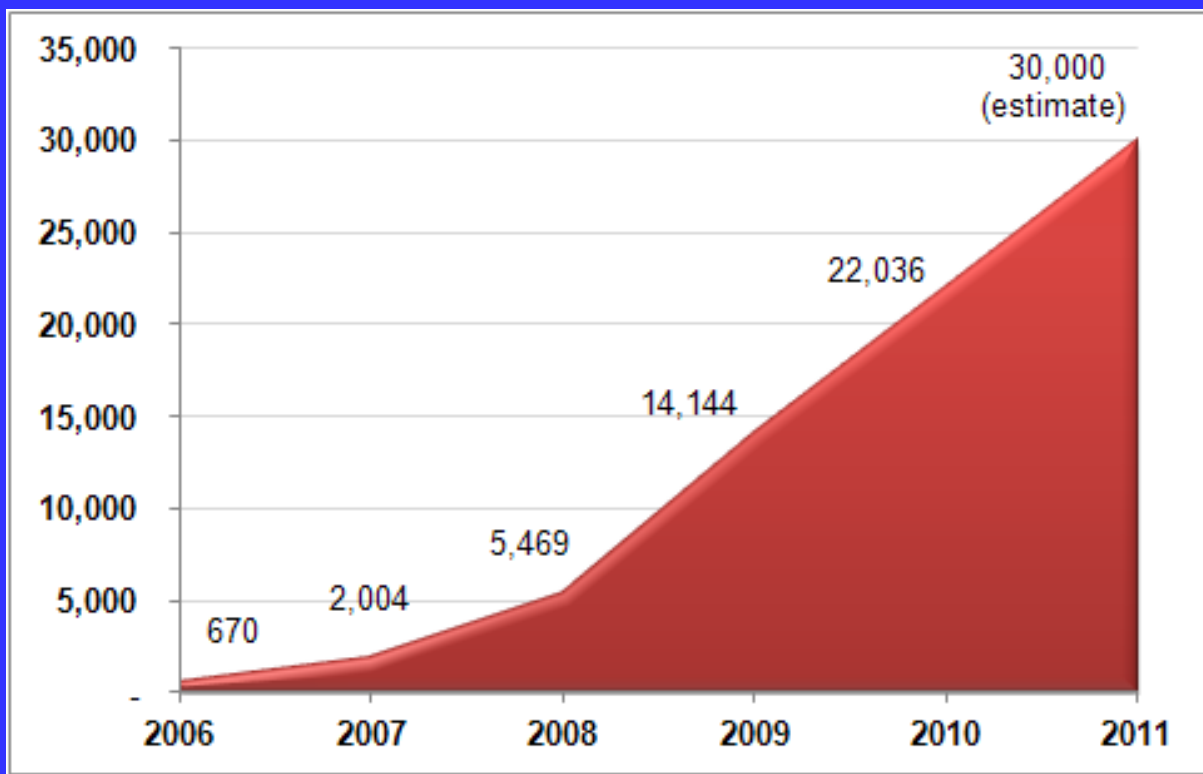
- Federal requirements: No change
- State data fields: Changes are for HI, ID, ME, RI, and VT

### ➤ Tier2\*Submit 2012:

- The Tier2 regulatory changes will take affect in the reporting year 2012
  - New Tier II reporting form
    - New range codes
    - Additional text fields

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## Total Number of Facilities Filing Tier II Reports via UT Dallas Online Tier II Reporting System



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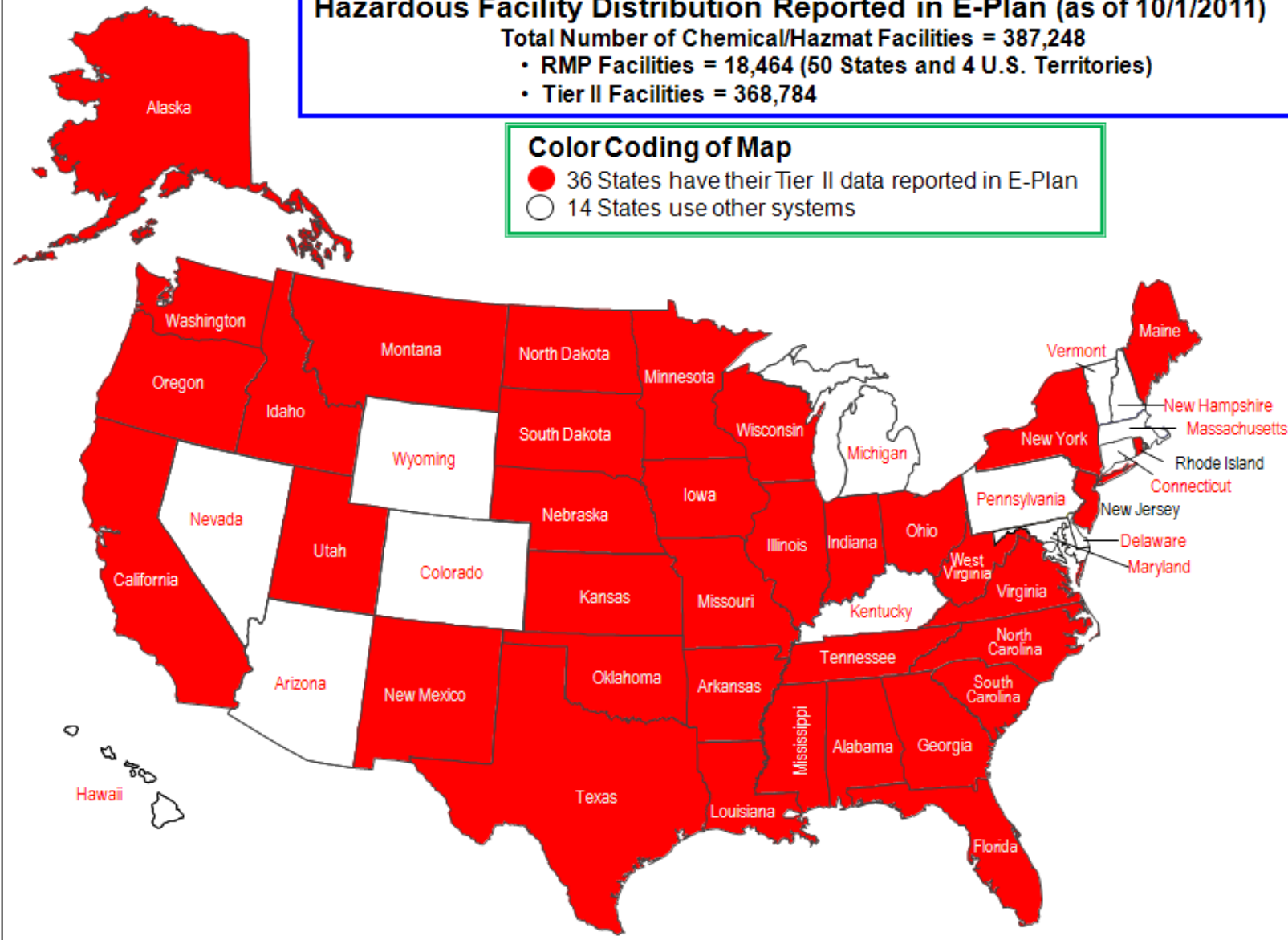
## Hazardous Facility Distribution Reported in E-Plan (as of 10/1/2011)

Total Number of Chemical/Hazmat Facilities = 387,248

- RMP Facilities = 18,464 (50 States and 4 U.S. Territories)
- Tier II Facilities = 368,784

### Color Coding of Map

- 36 States have their Tier II data reported in E-Plan
- 14 States use other systems



Thanks for your  
kind attentions



# Back up slides

## A refresher on Tier II reporting requirements

In 1986, President Reagan signed into law the Superfund Amendment and Reauthorization Act (SARA) as a revision to federal legislation dealing with hazardous substances and toxic wastes. In addition to State and local planning requirements, the Emergency Planning and Community Right to Know Act (EPCRA) Section 312 requires facilities that use or store a hazardous chemical above a threshold quantity to annually submit their chemical inventory information to off-site officials on or before March 1st of each year.

- The inventory information must be submitted to the fire department having jurisdiction over the facility, the respective county LEPC, and the SERC.

Traditionally, facilities required to report under EPCRA have used the hardcopy Tier II form or some electronic variation (i.e., Tier II Submit) as a means of complying with the notification requirements. This variance in reporting methodology often makes it difficult to utilize the information for State and local planning purposes.

## System Security Summary

- ✓ Eleven years of operation without security problems
- ✓ Physically secure systems constantly monitored for intrusion and network-based attacks
- ✓ ISO/IEC 27001 (11 years) certification



# The University of Texas at Dallas ( UT Dallas)

## Nationwide Hazardous Facility Distribution

Total number of Tier II facilities

