

Emergency Planning & Community Right-To-Know Act (EPCRA)

Toxics Release Inventory (TRI)

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EPCRA Section 313 & Toxics Release Inventory (TRI)

- Definition
- Background
- Application
- Requirements



EPCRA – Toxics Release Inventory

- Bhopal, India Toxic Release
 - Nearly 6,500 Deaths
- Congress Passes EPCRA in 1986



Toxics Release Inventory

- Facilities Covered by Primary NAICS Codes
- Ten or More Employees
- Over 650 Toxic Chemicals Covered
- Thresholds
 - Process over 25,000 pounds
 - Manufacture over 25,000 pounds
 - Otherwise use 10,000 pounds



Facilities Submit Annual Report – July 1

- 2012
 - United States – 21,325 Reporting Facilities
 - EPA Region 7 – 1,426 Reporting Facilities
 - Nebraska – 177 Reporting Facilities



Public Databases

- TRI Explorer
 - http://iaspub.epa.gov/triexplorer/tri_release.chemical
- TRI Search
 - <http://www.epa.gov/enviro/facts/tri/search.html>
- TRI Envirofacts
 - <http://www.epa.gov/enviro/index.html>



TRI Databases

- Create Chemical Reports
- Create Facility Reports
- Create Maps and Geography Reports



Who Uses TRI Data

- General Public
- Government Agencies
- Fire Departments and Emergency Responders
- Business and Industry



Toxics Release Inventory

- Enforcement and Compliance
- Facility Inspections
- Facility History
 - Accidents
 - Prior Violations



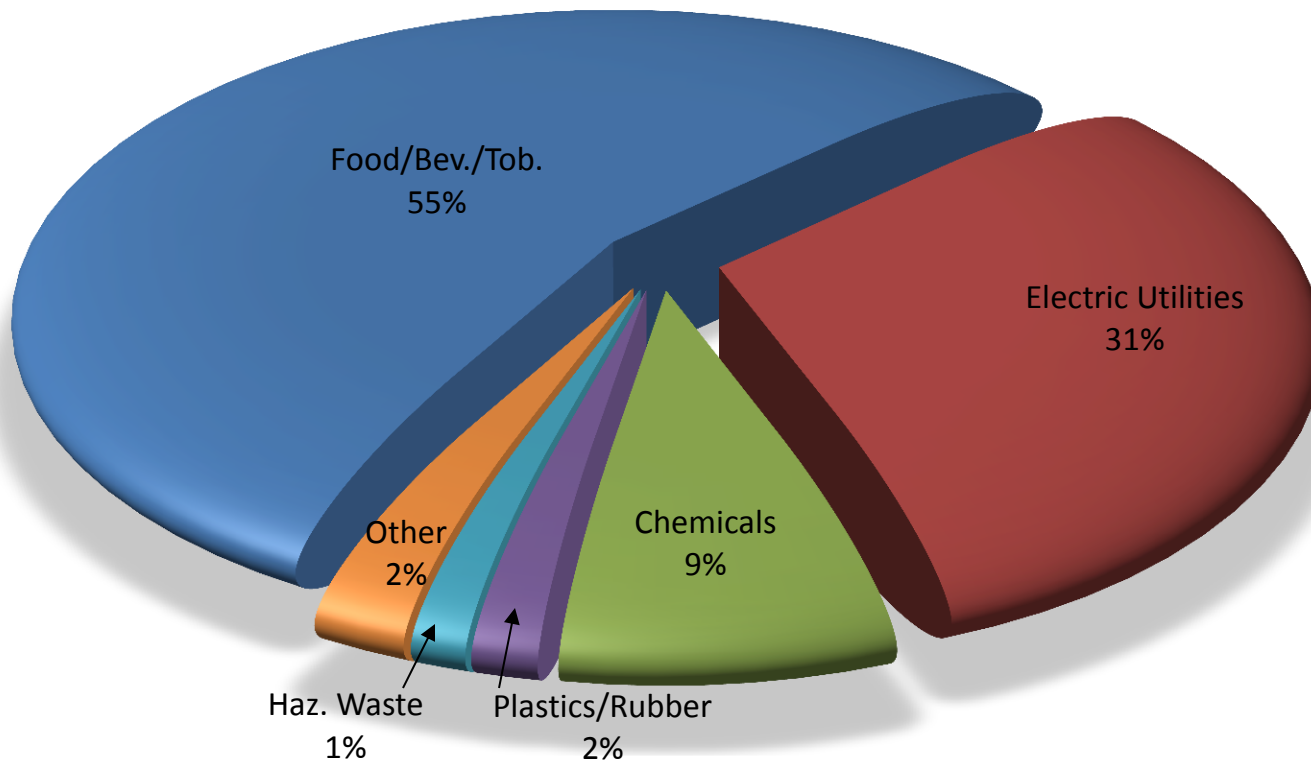
EPA Audit Policy

- Allows Facilities to Self Disclose
- Independent or Internal Audit
- Notify EPA Within 21 Days of Discovery
- 60 Days to Come into Compliance



Nebraska

Nebraska NAICS Industries Total TRI Releases 2012





Nebraska

2012 TRI Data

	Chemical	TRI Releases	Percentage
1	Nitrate Compounds	10,746,382	45.6%
2	Barium Compounds	5,079,658	21.5%
3	N-Hexane	1,232,816	5.2%
4	Zinc Compounds	1,095,070	4.6%
5	Ammonia	929,657	3.9%
6	Hydrogen Fluoride	927,407	3.9%
7	Barium	576,311	2.4%
8	Hydrochloric Acid	469,003	2.0%
9	Sulfuric Acid	301,322	1.3%
10	Copper Compounds	297,162	1.3%
Total		23,591,820	



Nebraska

2012 TRI Data

	Company	City	TRI Releases
1	Tyson Fresh Meats Inc. WWTP	Dakota City	4,334,240.00
2	Cargill Meat Solutions Corp.	Schuyler	3,790,252.18
3	Omaha Public Power Nebraska City Station	Nebraska City	3,412,157.00
4	Gerald Gentleman Station	Sutherland	2,407,410.00
5	Tyson Fresh Meats Inc.	Lexington	1,941,024.00
6	Agrium Advanced Technologies Inc.	Fairbury	1,313,483.00
7	ADM	Lincoln	620,246.86
8	ADM Corn Processing	Columbus	563,991.82
9	Whelan Energy Center	Hastings	441,220.97
10	Nebraska Public Power Sheldon Station	Hallam	421,293.00
Total			24,079,256.16



Chemical Facility Safety

West Fertilizer Company (West, Texas)

- Ammonium Nitrate Explosion (4/17/2013)
- Fifteen People Killed
- Over 160 People Injured

Improving Chemical Facility Safety and Security

- Presidential Executive Order 13650



Chemical Facility Safety

Areas of Effort to Improve Chemical Safety

- Improving Operational Coordination with State, Local and Tribal Partners
- Enhancing Federal Coordination
- Enhancing Information Collection and Sharing
- Modernizing Regulations, Guidance, Policy and Standards
- Identifying Best Practices



Chemical Facility Safety

EPA Region 7

- Working with OSHA and DHS
- Working with IA, KS, MO, NE
- Identifying Ammonia Nitrate Facilities
- Developing Method to Assess “At Risk” Populations



Questions?

