

T

UNITED STATES
TOXICS RELEASE
R
INVENTORY

I

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US EPA

12 December, 2001

Major Events in 2001

T

- Publication of 1999 Data
- Lead rule takes effect

R

– Lowers reporting threshold for lead and lead compounds

I

- Improving Assistance to Industry
- Improving Access to the Public
- Working within UNECE on PRTR Protocol

1999 TRI Data

T

- 3.53 billion kilograms of releases

- 3.31 billion kilograms of on-site releases

R

- 218 million kilograms of off-site releases

I

- 13.4 billion kilograms of chemicals further managed as waste (on-site and off-site)

- 3.7 billion kilograms treated

- 1.6 billion kilograms for energy recovery

- 4.6 billion kilograms recycled

1999 TRI Data

T

- Second year of data from seven additional industry sectors

R

- I.e., coal and metal mines, hazardous waste and solvent recovery facilities, electricity generating facilities, chemical wholesale distributors, petroleum terminals and bulk storage facilities

I

- Facilities that are “upstream” and “downstream” from manufacturing sector (original industries)

1999 TRI Data

T

R

I

Waste Management (On-site and Off-site)	*Original Industries	*New Industries	*All TRI Industries	New Industries as % of All TRI Industries
Recycled	4,534	106	4,640	2.3
Energy Recovery	1,508	126	1,635	7.7
Treated	3,373	376	3,750	10.3
Released	1,084	2,298	3,382	67.9
Total Production Related Waste	10,933	3,109	13,406	23.2

Community Right-To-Know

*Millions of kilograms

1999 TRI Data

T

- 1995 - 1999 trends for Original Industries

- Releases decreased 7.5%

R

- On-site releases decreased 15.7%

- Off-site releases increased 51.8%

- Total production related waste increased 2.5%

I

- Off-site recycling decreased 8.8%

- On-site recycling increased 8.1%

- On-site treatment increased 5.3%

1999 TRI Data

- T**
- 1988 - 1999 trends for original industries and chemicals
- R**
- Releases decreased 45.5%
- I**
- On-site releases decreased 53.6%
 - Fugitive air releases decreased 70.6%
 - Water releases decreased 66%
 - Land releases decreased 23.1%
 - Off-site releases increased 7.8%

1999 TRI Data

T

- 1998 - 1999 trends for new industries

- Metal mines decreased 2.5%

R

- Coal mines increased 11.7%

- Electric utilities decreased 9.7%

- Chemical wholesale distributors increased 2.2%

I

- Petroleum terminals and bulk storage facilities increased 28.3%

- Hazardous waste and Solvent recovery facilities increased 2.7%

PBT Chemicals - New Lead Rule

T

- Chemicals that are Persistent, Bioaccumulative and Toxic (PBT)

R

- Reporting for 2000 reporting year
 - Reports due to EPA on 1 July, 2001
- 100 lb threshold established for PBT chemicals
- 10 lb threshold for subset of PBT chemicals
- 0.1 gram threshold set for dioxins and dioxin-like compounds

I

PBT Chemicals - New Lead Rule

T

- Lead rule

- Effective for reporting year 2001

R

- Reports due to EPA on 1 July, 2002

- Lowers Reporting threshold to 100 pounds (45.4 kilograms)

I

- Except for lead contained in stainless steel, brass, and bronze alloys

Improving Assistance to Industry

T

- 16 chemical-specific guidance documents now available

R

- Five PBT guidance documents

- New draft guidance for lead and lead compounds

- Eleven guidance documents for other chemicals

I

- Available on the web at www.epa.gov/tri

Improving Assistance to Industry

T

- 14 industry-specific guidance documents now available

R

- Available on the web at www.epa.gov/tri
- 10 additional documents under development
- New guidance on presswood and laminated products industry available

I

Improving Assistance to Industry

T • TRI - Made Easy (TRI-ME)

- R* – Interactive, intelligent and user-friendly software program to assist facilities in determining and completing TRI reporting
- I* – Assists facility to determine if it must report
- Automatically sets up necessary TRI reports
- Guide facility through reporting process through series of questions

T

R

I

The screenshot shows the EPA TRI-ME software interface. The title bar reads "TRI-ME - [TRI MADE EASY Session File: C:\Program Files\TRI-ME\Data\testone]". The menu bar includes "File", "Edit", "Tools", "Reports", and "Help". The main header features the EPA logo and the text "EPA Toxics Release Inventory Made Easy". Below the header are four tabs: "Questionnaire", "Form R", "Form A", and "TRI Assistance Library". The "Questionnaire" tab is active, showing a form for "Section 5.2: Stack or Point Air Emissions". The form includes a "Facility" field with the value "Scott's Chemicals, Inc." and a "Select Chemical" dropdown menu with "1,2,3-Trichloropropane" selected. The main content area contains the following text: "Section 5.2: Stack or Point Air Emissions", "To complete the air emission picture for reporting under EPCRA Section 313, you are required to estimate **stack or point air emissions** of your reportable **toxic chemicals**. Stack or point air emissions occur through stacks, vents, ducts, pipes, or other confined air streams. Air **releases** from air pollution control equipment would generally fall in this category. Under EPCRA Section 313, tank working and breathing losses are considered stack or point air emissions. However, air emissions from the ancillary equipment associated with the tank are considered fugitive or non-point air emissions (e.g., flanges, valves, and pumps).", and "Did you have stack or point air emissions of the toxic chemical?". At the bottom of the form are three buttons: "Yes", "No", and "More on Air Emissions". On the left side of the form is a vertical navigation menu with the following items: "Start Here", "Load Data", "Threshold", "Facility", "Employee", "Chemical", "Chemical Select", "Form Select", "Part I, Facility", "Part I, Chemical", "Part II, Section 3", "Section 4", "Section 5.1", "Section 5.2" (highlighted), and "Section 5.3". Below the menu are "Go Back" and "TRI-ME Help" buttons. The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time "10:35 AM".

Improving Assistance to Industry

T • Future versions of TRI-ME

– Add release calculation capabilities

R • E.g., integrate TANKS software for estimating air releases from tanks

– More enhanced intelligence to prevent errors

I – Ability to pre-load or import chemical data for use in determining if chemical thresholds met

– Links to other databases

Improving Access to the Public

T

- TRI Explorer

- TRI search engine on U.S. EPA website

R

- www.epa.gov/triexplorer

- Generates three types of reports

I

- Release reports, waste transfer reports, waste quantity reports

- Data grouped into five criteria

- facility, chemical, year, industry type, geographic area (zip code, county, state, national)

TRI Explorer - Chemical Report - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop


Bookmarks Netsite: <http://www.epa.gov/triexplorer/chemical.htm> What's Related

Instant Message WebMail Contact People Yellow Pages Download Channels



EPA Office of Environmental Information

Explore TRI Data



Chemical Report

Introduction
Release Reports
Waste Transfer Reports
Waste Quantity Reports

Reports:

- ▶ **Chemical** i
- ▶ [Facility](#)
- ▶ [Trends](#)
- ▶ [Geography](#)
- ▶ [Industry](#)

First time users
["click here"](#)
for help

For assumptions in
1999 analysis

Geographic Location i

All of United States ▼

Chemical Released i

All chemicals ▼

Industry i

All Industries ▼

Year of Data i

1999 ▼

Data Set i

The default is the current data update (as of Aug. 1, 2001)

Select 1999 Public Data Release data set (as of Dec. 28, 2000)

Generate Report

Report Columns To Include i

- Total Air Releases
- Fugitive Air Releases
- Stack Air Releases
- Water Discharge Releases
- Underground Releases
- Land Disposal Releases
- Total Off-site Releases
- Total On-site Releases

Report always includes:
Total On-and Off-site Releases and
chemical name

Document: Done

T
R
I

International

T

- PRTR Protocol

R

- United Nations Economic Commission for Europe (UN/ECE) negotiating international instrument on PRTRs

I

- Protocol may be open to countries that have not signed onto Aarhus Convention and to countries outside of UN/ECE
- U.S. has participated in three meetings of UN/ECE Working Group on PRTRs