

EPCRA SECTION 313

Toxics Release Inventory

OVERVIEW SESSION

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WHAT IS THE TOXICS RELEASE INVENTORY ?



- The Toxics Release Inventory (TRI) is a publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities.
- This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.
- This law requires facilities to report on an annual basis on July 1st for preceding calendar year's activities.
- Over 23,000 facilities reported on approximately 650 chemicals and chemical categories.

Toxic Release Inventory
Reporting Requirements
(EPCRA Section 313)

Determining Thresholds

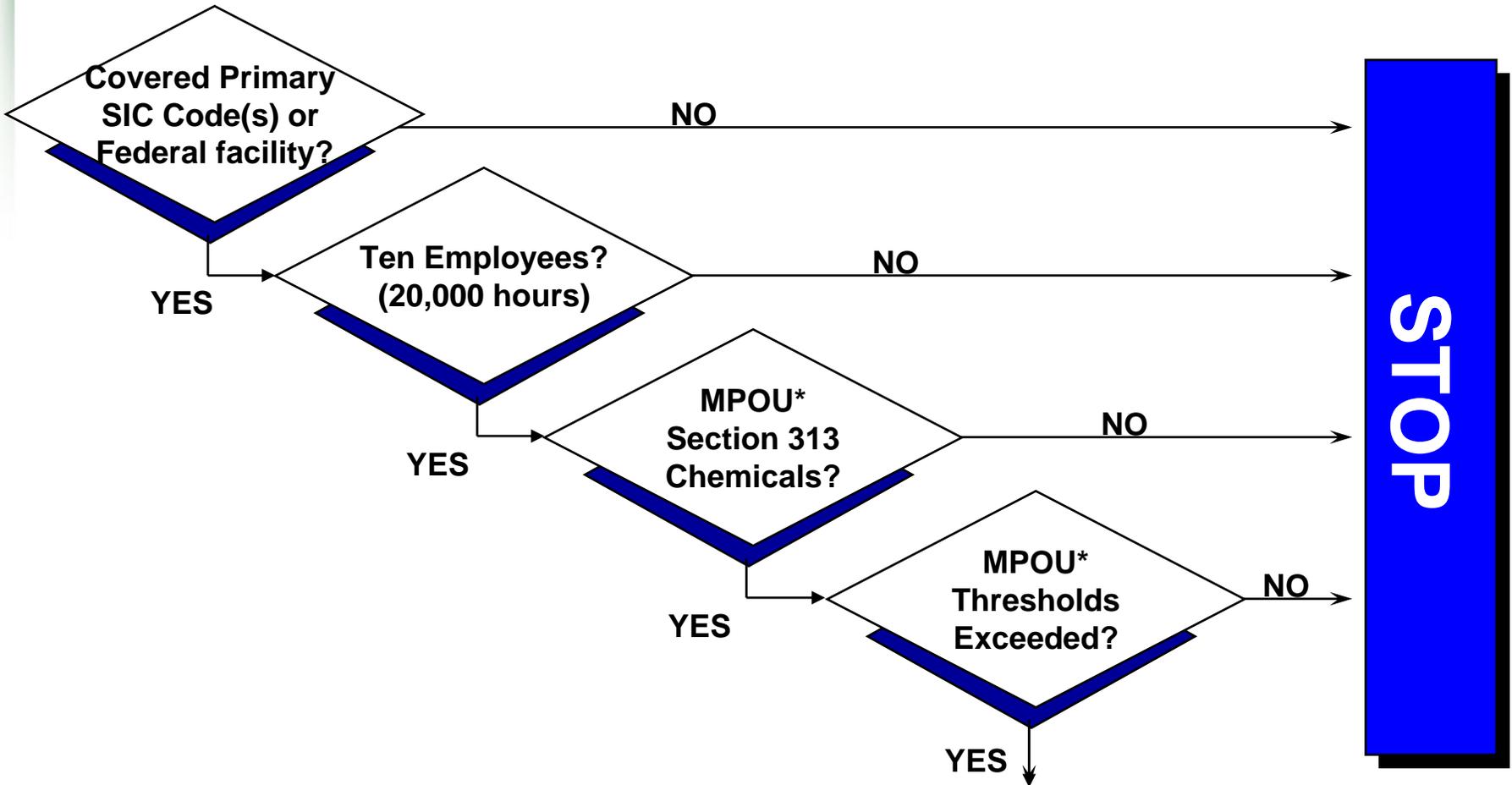
Estimating Releases

PBT

TRI Update

TRI

Who is Required to Report?



Reporting Thresholds Met; Form R/Form A Required

COVERED SIC CODES



Industrial Sector	Primary SIC Code
Manufacturing	20-39
Metal mining	10 (except 1011, 1081, and 1094)
Coal mining	12 (except 1241)
Electrical utilities	4911, 4931, and 4939, limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce
Treatment, Storage, and Disposal facilities	4953, (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C, 42 U.S.C. Section 6921 et seq.)
Solvent recovery services	7389, limited to facilities primarily engaged in solvent recovery services on a contract
Chemical distributors	5169
Petroleum bulk terminals	5171
Federal Facilities	No Limit on SIC Code

FEDERAL FACILITIES



- **Federal facilities (covered by Executive Order 13148)**
 - **Owned or operated by Executive Branch agencies**
 - » **No restrictions based on SIC code**
 - » **Includes federal prisons, national parks, federal hospitals**
 - **With 10 or more full-time employees (equivalent of 20,000 hours per year)**
 - **That exceed manufacture, or process, or otherwise use thresholds**
 - **Agency responsible for reporting on activities conducted at Federal facilities**

Section 313 Chemicals and Thresholds



A facility meeting all applicability criteria must file a Form R report for a non-PBT Section 313 chemical if the facility:

Non-PBT Thresholds

- Manufactured (including imported) more than **25,000** pounds of the chemical in the reporting year, or
- Processed more than **25,000** pounds of the chemical in the reporting year, or
- Otherwise Used more than **10,000** pounds of the chemical in the reporting year

Section 313 Persistent, Bioaccumulative, Toxic (PBT) Chemicals and Thresholds

PBT Chemical Thresholds

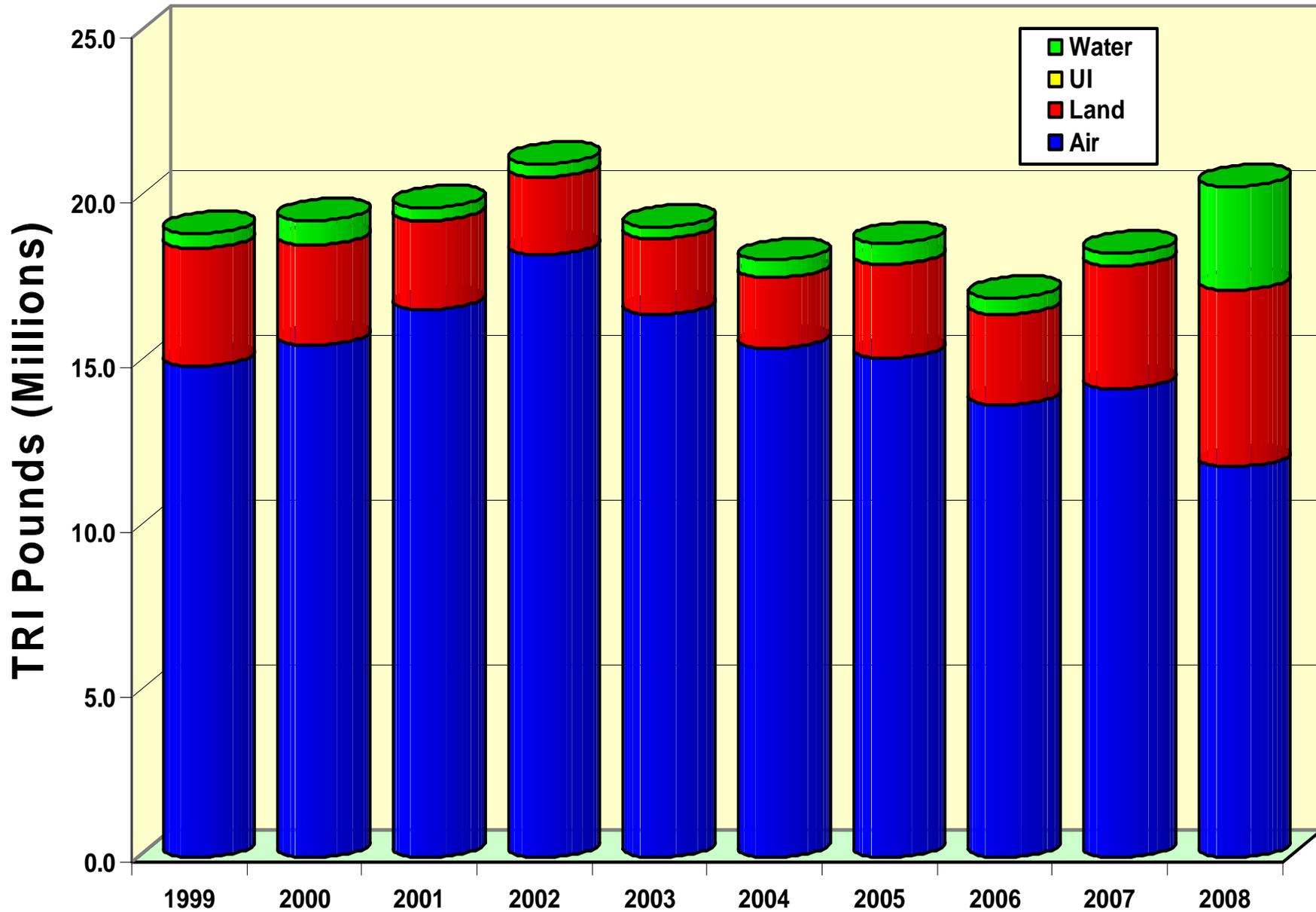
PBT chemicals are subject to separate and **lower thresholds:**

- **100 lbs./yr** - Aldrin
Lead
Lead Cmpds.
Methoxychlor
Pendimethalin
Polycyclic Aromatic Cmpds.
Tetrabromobisphenol A
Trifluralin
- **10 lbs./yr** - Chlordane
Heptachlor
Mercury
Toxaphene
Isodrin
PCBs
Benzo(g,h,i)perylene
Hexachlorobenzene
Mercury compounds
Octachlorostyrene
Pentachlorobenzene
- **0.1 g/yr** - Dioxin and dioxin-like compounds

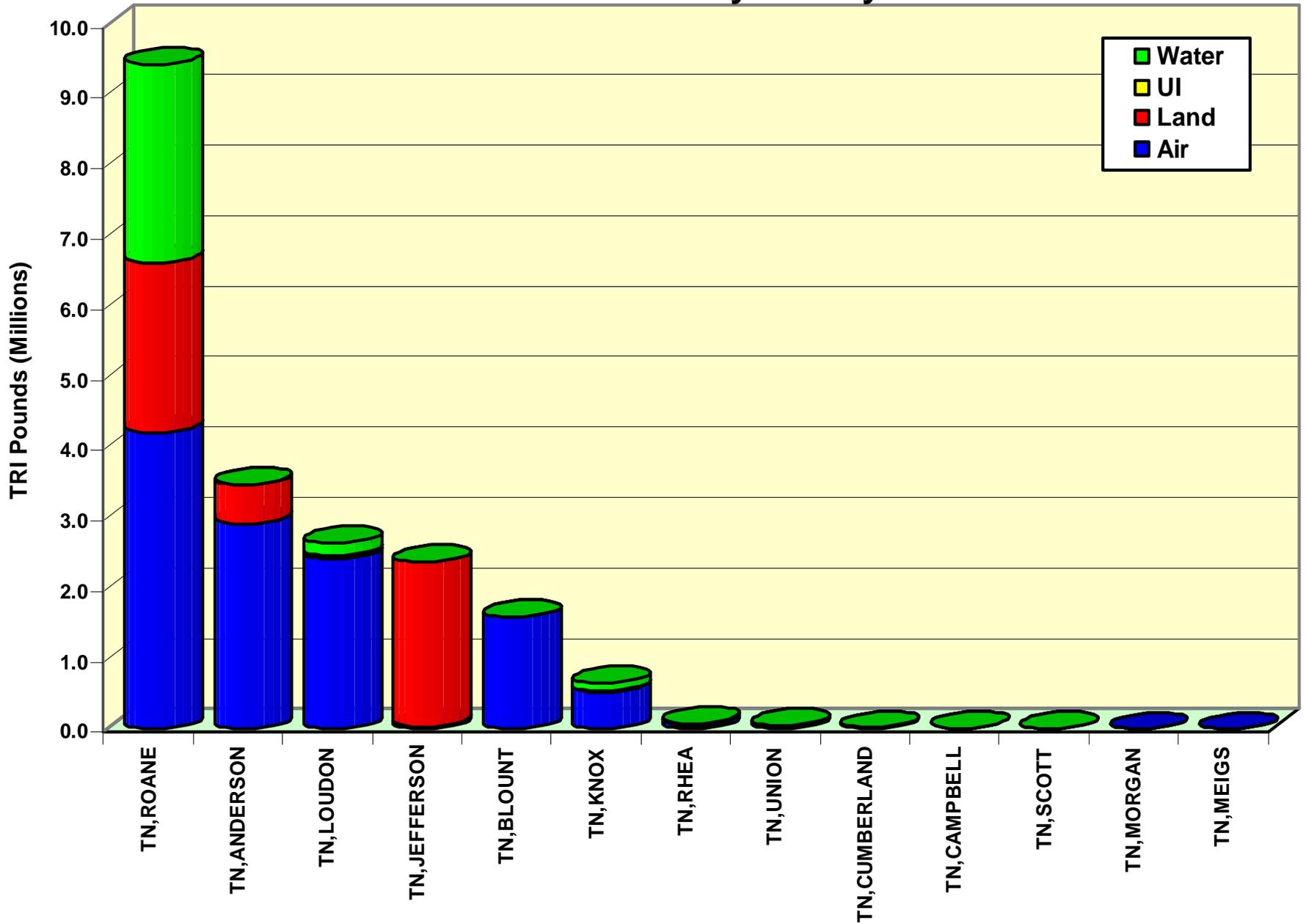
TRI Releases and Waste Management Activities For Oak Ridge, TN (area)

COUNTIES:	
ANDERSON	MEIGS
BLOUNT	MORGAN
CAMPBELL	RHEA
CUMBERLAND	ROANE
JEFFERSON	SCOTT
KNOX	UNION
LOUDON	

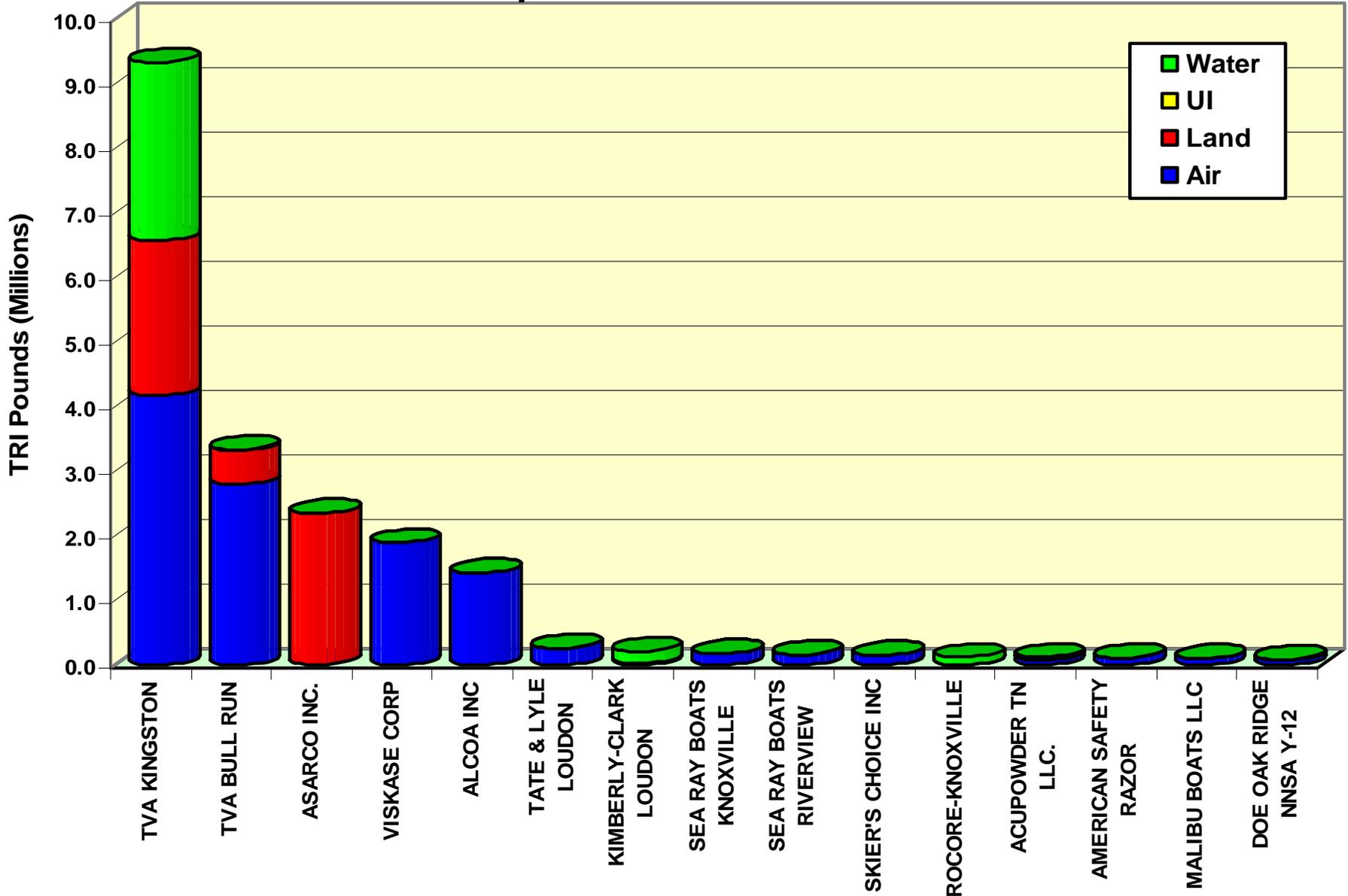
Oak Ridge Area 1999 - 2008 TRI Releases by Media



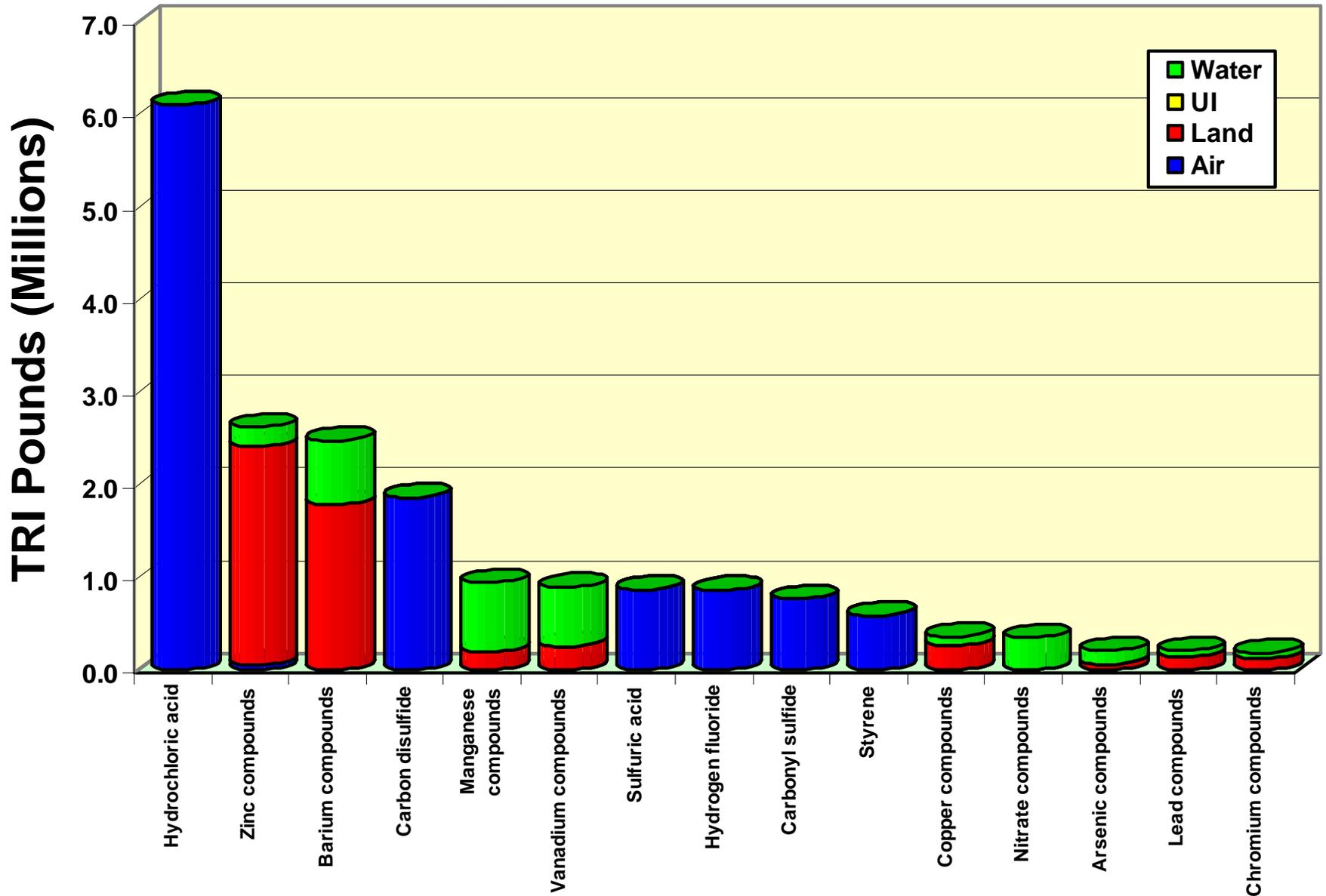
Oak Ridge Area 2008 TRI Releases by County



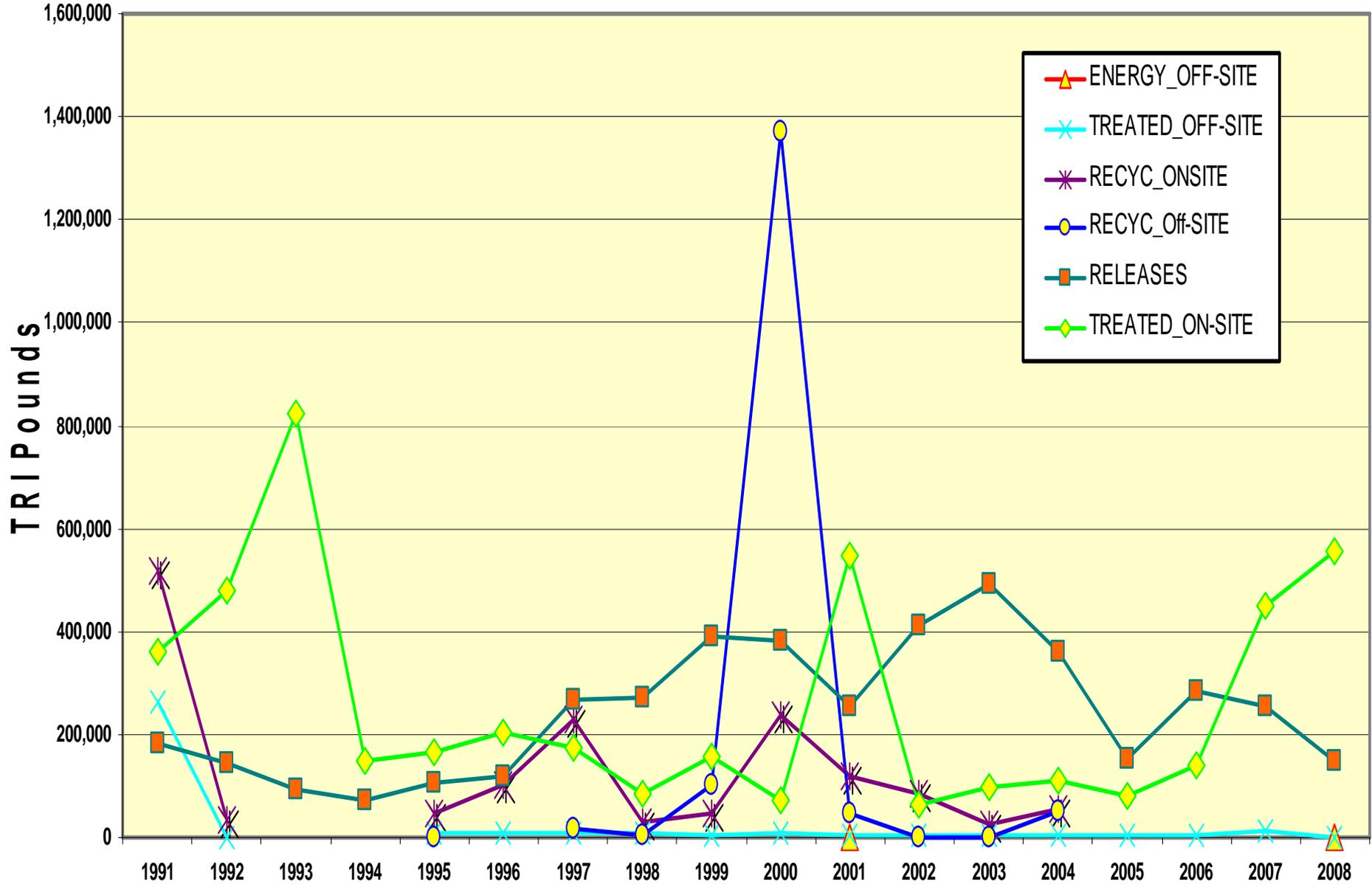
2008 Oak Ridge Area TRI Releases by Media Top Fifteen Facilities



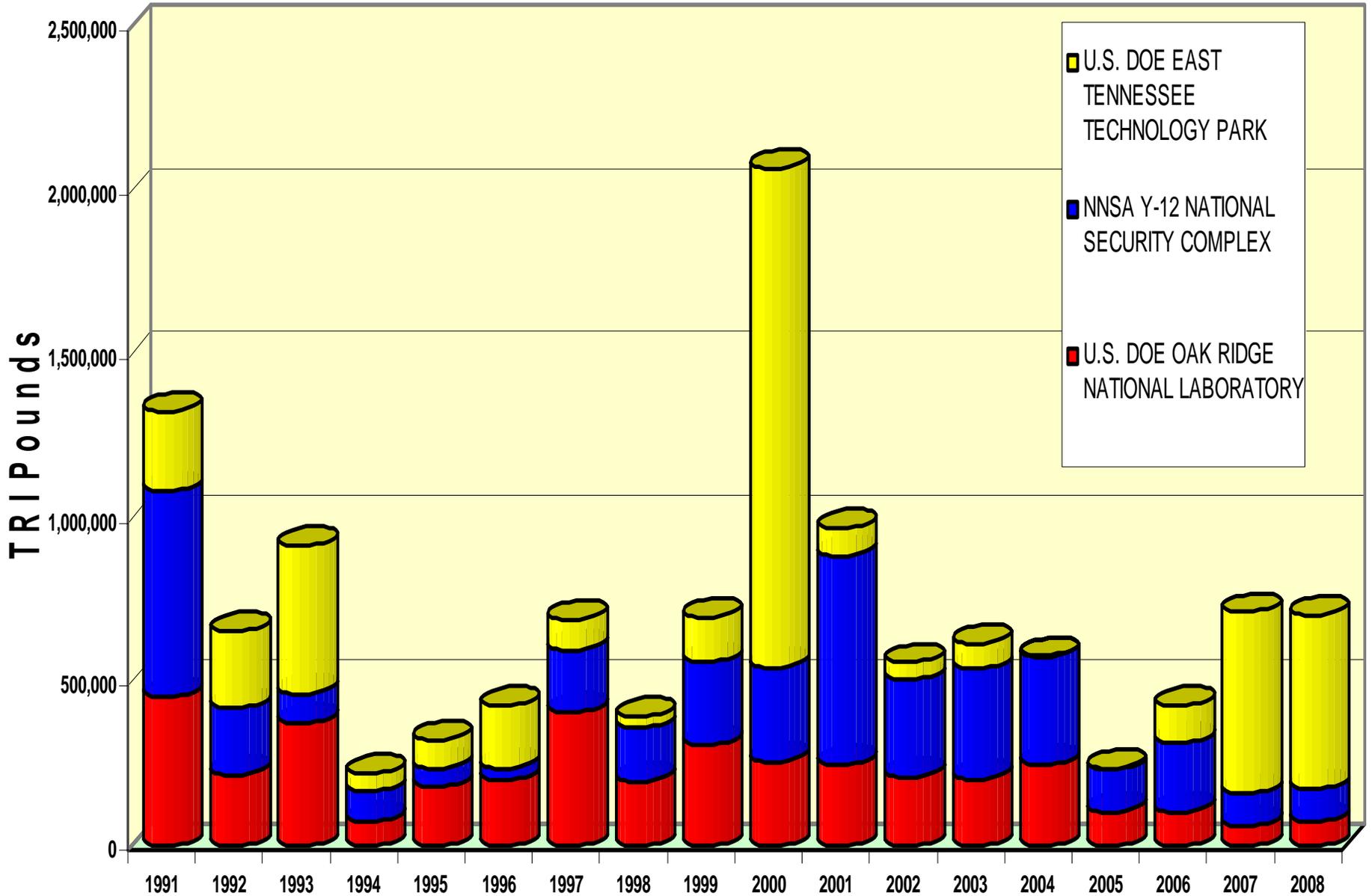
Oak Ridge Area 2008 TRI Releases by Media Top Fifteen Chemicals



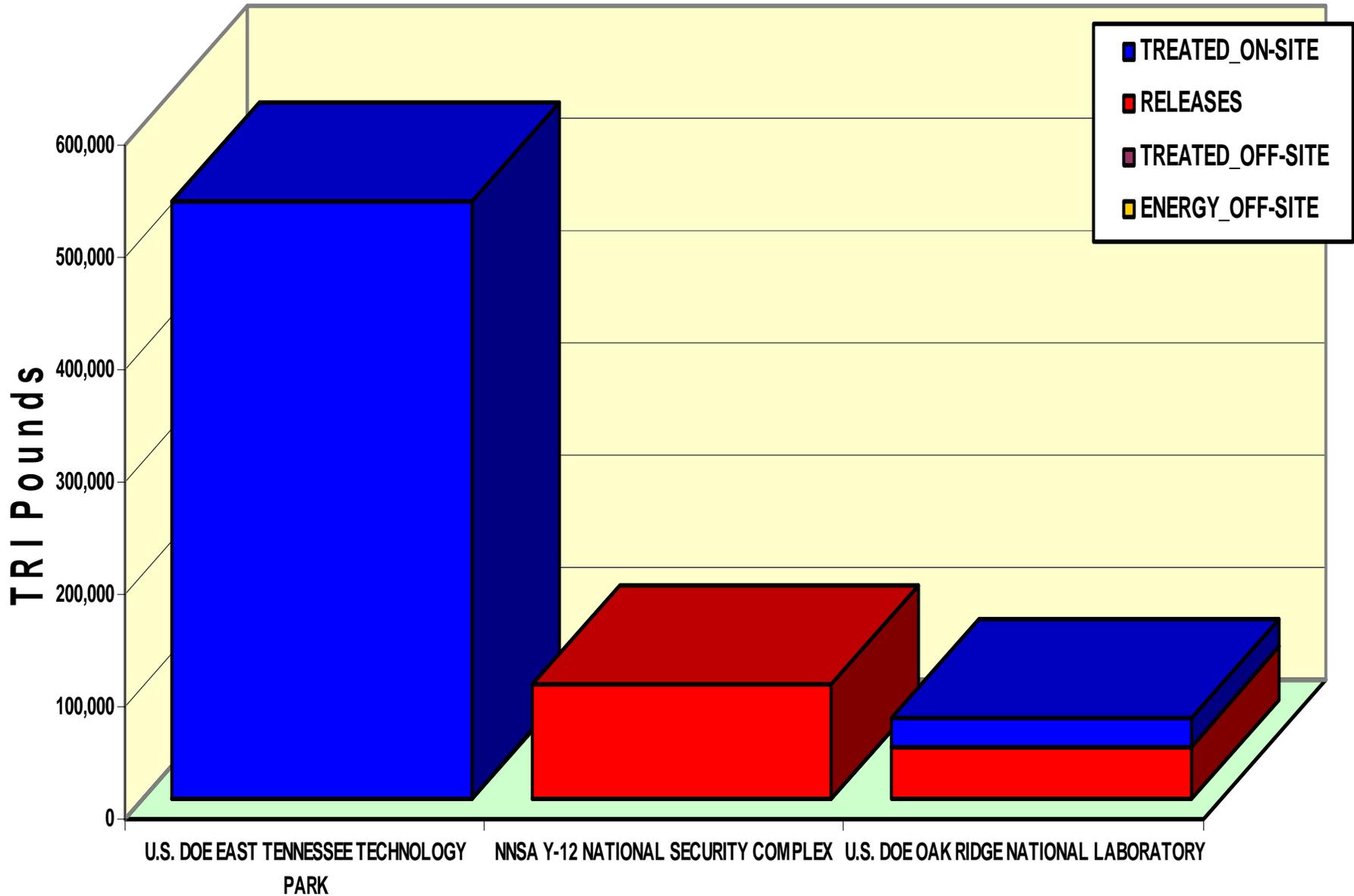
US DOE Oak Ridge, TN Facilities 1991 - 2008 Waste Management Trends



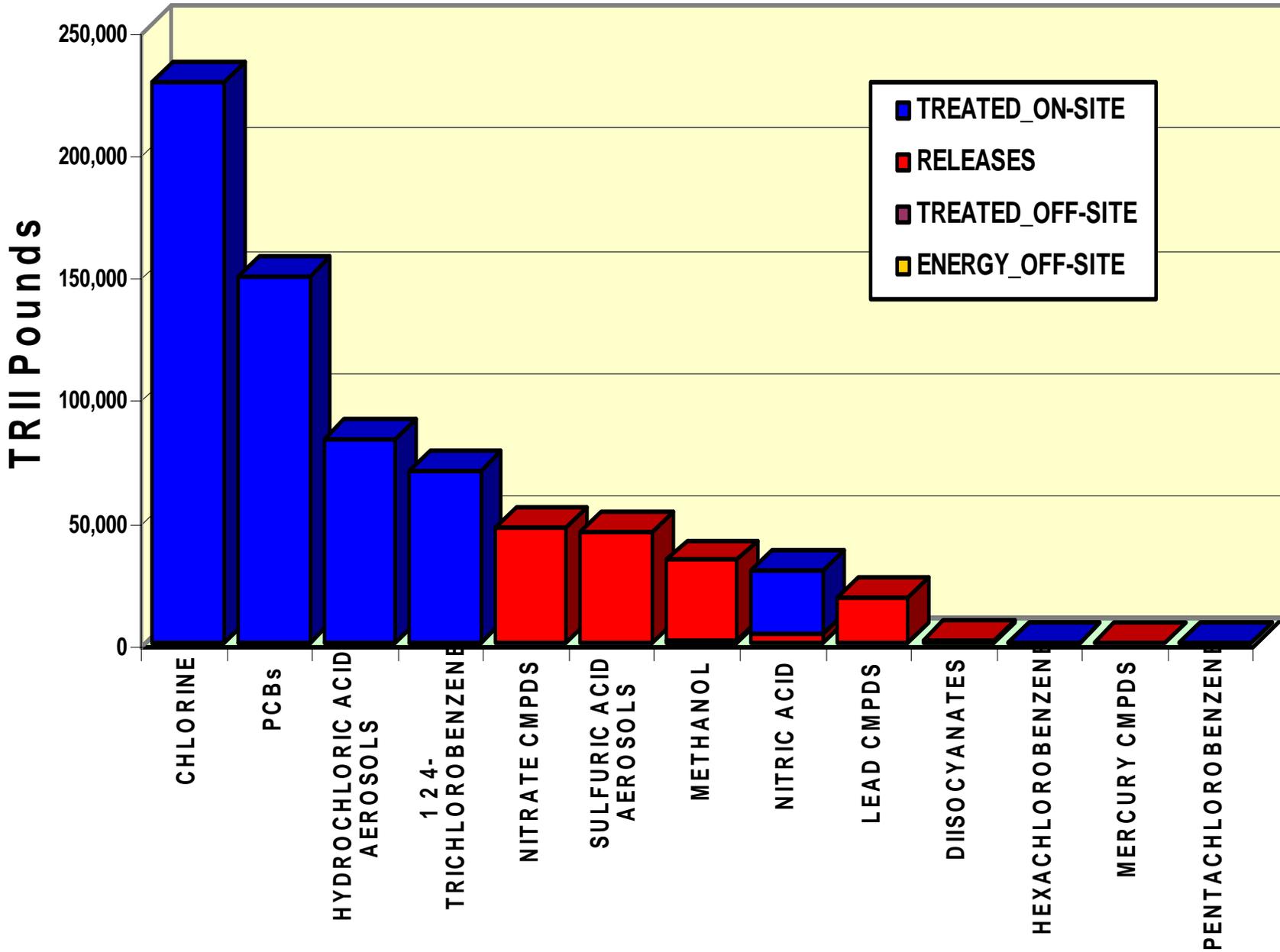
U.S. DOE Oak Ridge Facilities Total Waste Management 1991-2008



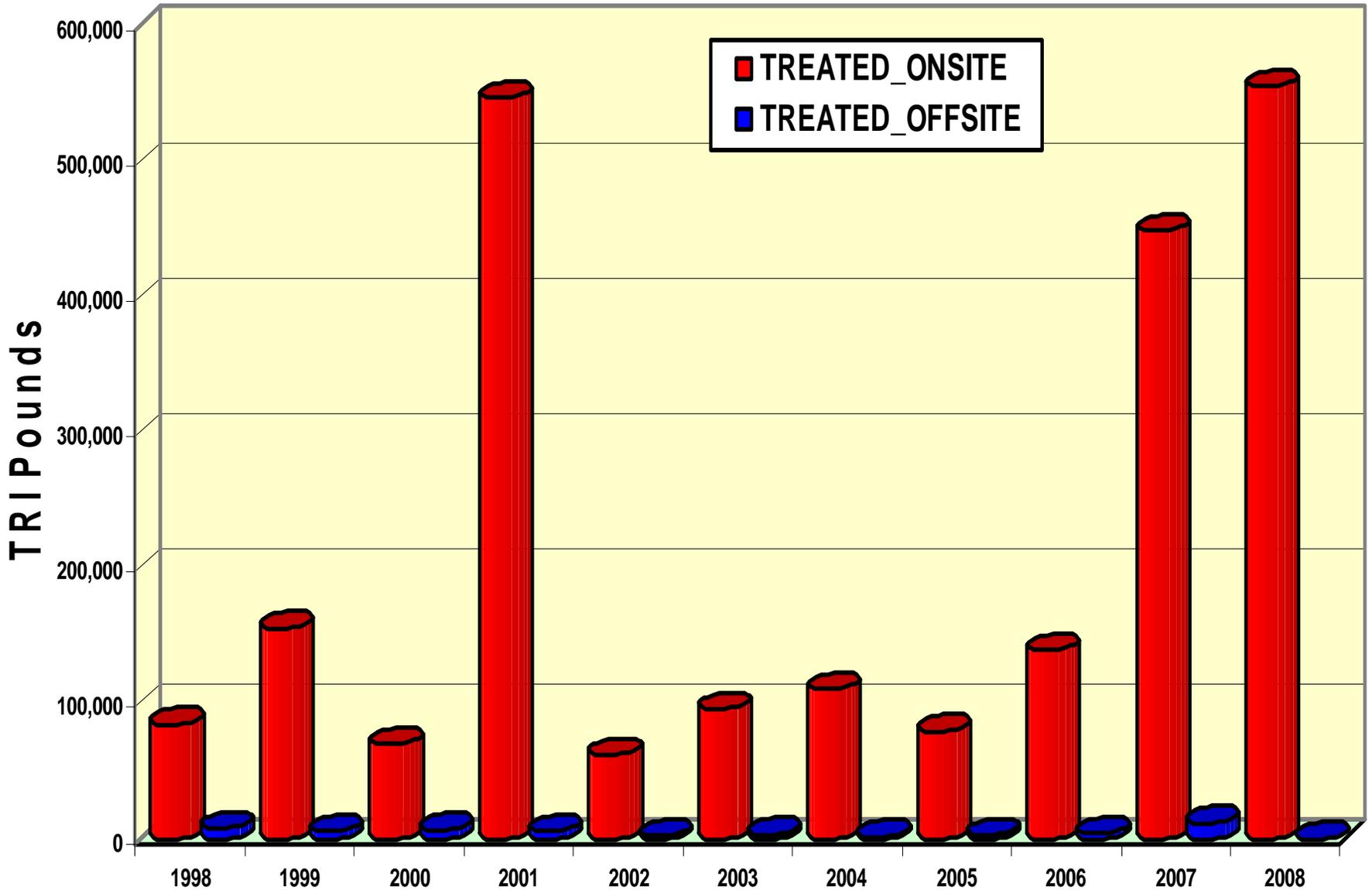
US DOE Oak Ridge Facilities 2008 Waste Management Activities



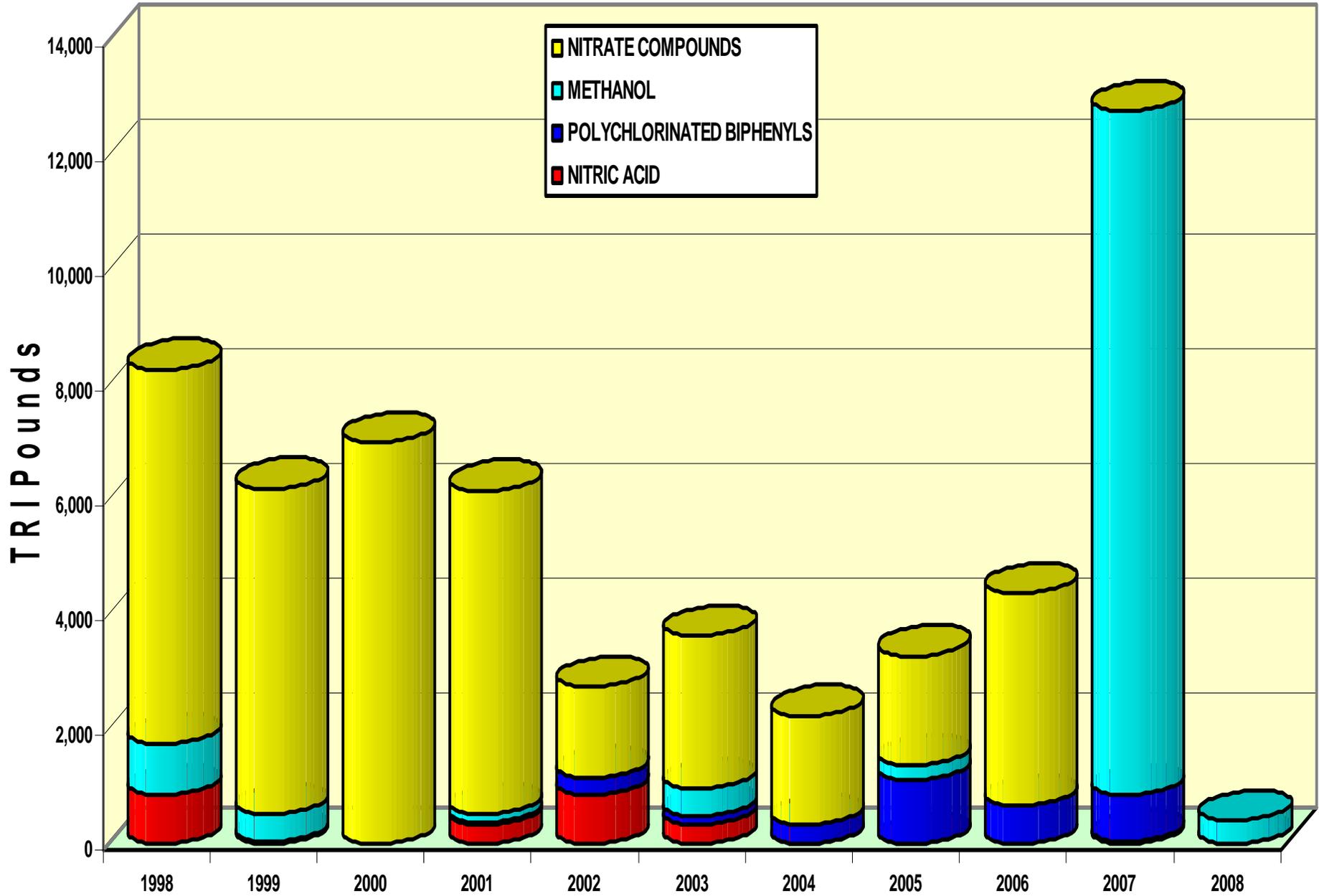
US DOE Oak Ridge, TN Facilities 2008 Chemical by Waste Management



US DOE Oak Ridge, TN Facilities Waste Treated On-site vs. Off-site



US DOE Oak Ridge, TN Facilities Chemicals Treated Off-Site



US DOE Oak Ridge, TN Facilities - Chemicals Treated On-Site

