

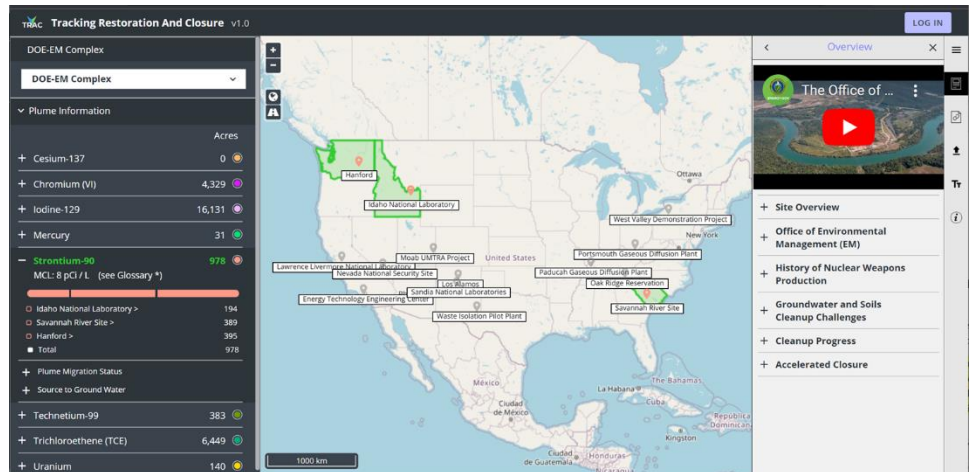


<https://trac.pnnl.gov/>

## What Is TRAC?

Tracking Restoration And Closure (TRAC) is a web-based application that combines infographics, annual statistics, and historical facts to clearly communicate the current status of groundwater contamination cleanup efforts at Department of Energy Office of Environmental Management (DOE-EM) sites across the nation (<https://www.energy.gov/em/cleanup-sites>). TRAC is a tool to share information about and provide transparency into environmental remediation progress at these cleanup sites.

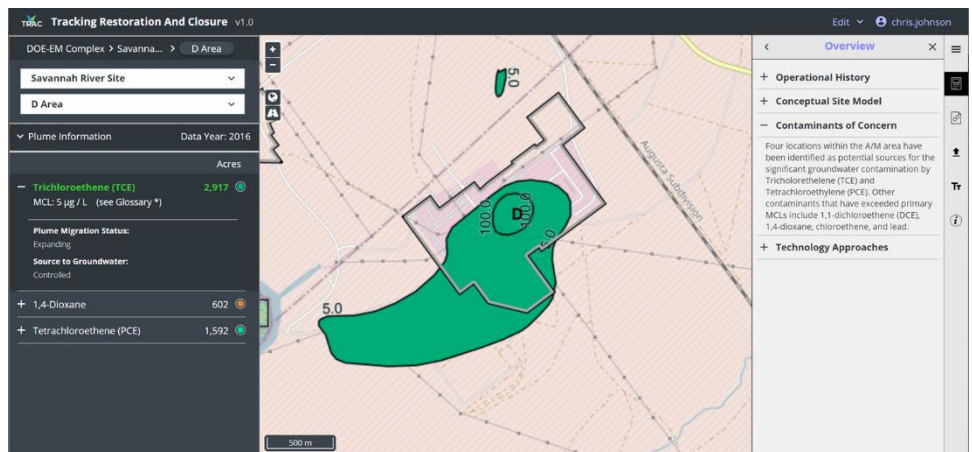
With TRAC, users can explore robust and consistent geospatial visualization of contaminants of concern above the regulatory cleanup concentrations. Unlike a traditional written report, TRAC provides explanatory text, photographs, video, contaminant plume graphics, and tabular metrics on cleanup progress.



## What Specific Information Does TRAC Provide?

The TRAC web application provides summary information on environmental restoration and progress toward closure at three levels of detail: EM complex, EM site, and waste management unit. Each level includes corresponding narrative information on history, cleanup challenges, remediation goals, conceptual site model, technology approaches, cleanup priorities, and progress. Metrics about contaminant plumes (e.g., footprint, migration status), regulatory context/status, and remediation technology approaches/status are defined for each contaminant at the waste management unit level to indicate progress towards closure, and are rolled up into totals at the EM site and EM complex-wide levels.

- The EM complex level focuses on high-priority contaminants of concern, identifying sites having a given contaminant plume and displaying aggregated values for cleanup progress metrics.
- The EM site level provides the geospatial footprint of groundwater plumes and site-specific information and cleanup progress metrics.
- The waste management unit level—such as the Savannah River D Area shown at right—provides detailed visualization of contoured groundwater concentrations, and specifics on the cleanup progress metrics.



# Why Is TRAC Needed?

TRAC is an online information resource that promotes the sharing of technologies, successes, and lessons learned across the DOE-EM complex by providing a single, consistent framework for integrating and standardizing information among EM sites. TRAC facilitates effective communication about progress toward site closure between DOE-EM sites and Headquarters, and with regulators and stakeholders.

## TRAC Features

TRAC includes several features that enable user success, streamline maintenance, and minimize costs.

- TRAC is hosted on Amazon Web Services for a robust, flexible, and cost-effective framework.
- TRAC includes a collective content management system that allows authenticated users to upload, edit, and review information in a collaborative and effective workflow.
- Supporting documents and related links provide additional information about sites and DOE-EM.
- A glossary is included for terms that describe the plume, regulatory, and technology status metrics.

## TRAC Interface Orientation

### Left Pane

DOE-EM Complex > Hanford > 200-ZP-1

Hanford  
200-ZP-1

Plume Information Data Year: 2020

Plume Information 110 Acres  
Regulatory Information  
Technology Information

Carbon-14 17

EM Complex or EM Site levels show totals: plume acres and number of management units for a category

Management unit level shows plume acres and regulatory/technology summary information

Bars show distribution across categories

### Map

Top Right (header bar): Log in/out and feedback

Zoom controls (or use mouse wheel)  
Satellite map  
Street map

Plume animator (if multiple plume maps are available)

Plume Animator Year: 2020

### Welcome to TRAC (Tracking Restoration And Closure)

TRAC is focused on communicating cleanup status, technical challenges, and needs for site closure of U.S. Department of Energy Office of Environmental Management (DOE-EM) sites. TRAC facilitates open communication, strategy development, and long-term protection of human health and the environment. TRAC provides video, summary narrative (1), geospatial visualization of groundwater plumes (in the Map), and metrics in the left pane (about plumes, regulatory status, and remediation technology implementation) for the DOE-EM complex, a particular DOE-EM site, or a management unit within a site.

Tips for using TRAC:

- Take a few seconds to familiarize yourself with TRAC functionality via the description here of elements available in the Left, Right, and Map panes.
- Make the **Glossary** (4) your first stop to understand terminology of TRAC.
- TRAC provides summary information. The focus is not on specific numbers (which may be rounded values or sometimes have more significant digits than needed). Rather, the focus is on the magnitude/quantity, and, ultimately, how these numbers change over time as work progresses. For detailed information, numbers, and analysis, check out the **Related Links** (2) and **Supporting Documents** (3) for links to the annual report, 5-year report, online databases, or other resources.
- Recognize that status information will change over time; some aspects may be uncertain and will be refined over time as characterization or remedy operations provide more information.
- As more sites are included and DOE-EM prepares strategy for the coming decade, the metrics and categories used to describe status will evolve in TRAC to better track progress towards closure.

### Right Pane

Menu

- 1 Overview
- 2 Related Links
- 3 Supporting Documents
- 4 Glossary
- 5 About TRAC

Expand pane Close pane

1 Overview

M The Hanford ...

2 Site Location

History

Site Cleanup Challenges

Remediation Goals

Conceptual Site Model

Site Cleanup Priorities

Cleanup Progress

Technology Approaches

2 Related Links

DOE-EM Complex Related Links

Department Of Energy

DOE Office of Environmental Management

4 Glossary

Plume Metric

Regulatory Metric

Technology Metric

For more information contact: **Latrincy Bates**, Office of Subsurface Closure  
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