

Workshop: Community-Based Research on TRI Exposure Risks using Online Environmental Geographic Information Systems (GIS)

<https://sites.google.com/site/ejinfotnstate/>

Facilitator:

Dr. David A. Padgett

Associate Professor of Geography and
Director of the Geographic Information Sciences Laboratory

Tennessee State University

Nashville, Tennessee

dpadgett@tnstate.edu 615-963-5508



Workshop: Community-Based Research on TRI Exposure Risks using Online Environmental Geographic Information Systems (GIS)

Workshop Agenda

1. Brief background on the development of the TSU Environmental Justice Community Information Site
2. Synopsis of user feedback from the first beta version of the website.
3. Live demonstration of the website and tutorials
4. Questions from webinar participants

<https://sites.google.com/site/ejinfotnstate/>



2014 National Training Conference on the Toxics Release Inventory and Environmental Conditions in Communities

REGISTER NOW

May 7-9, 2014
Hilton Crystal City
Arlington, Virginia

Mark your calendars for May 7-9, 2014, for the next National Training Conference on the Toxics Release Inventory (TRI) and Environmental Conditions in Communities!

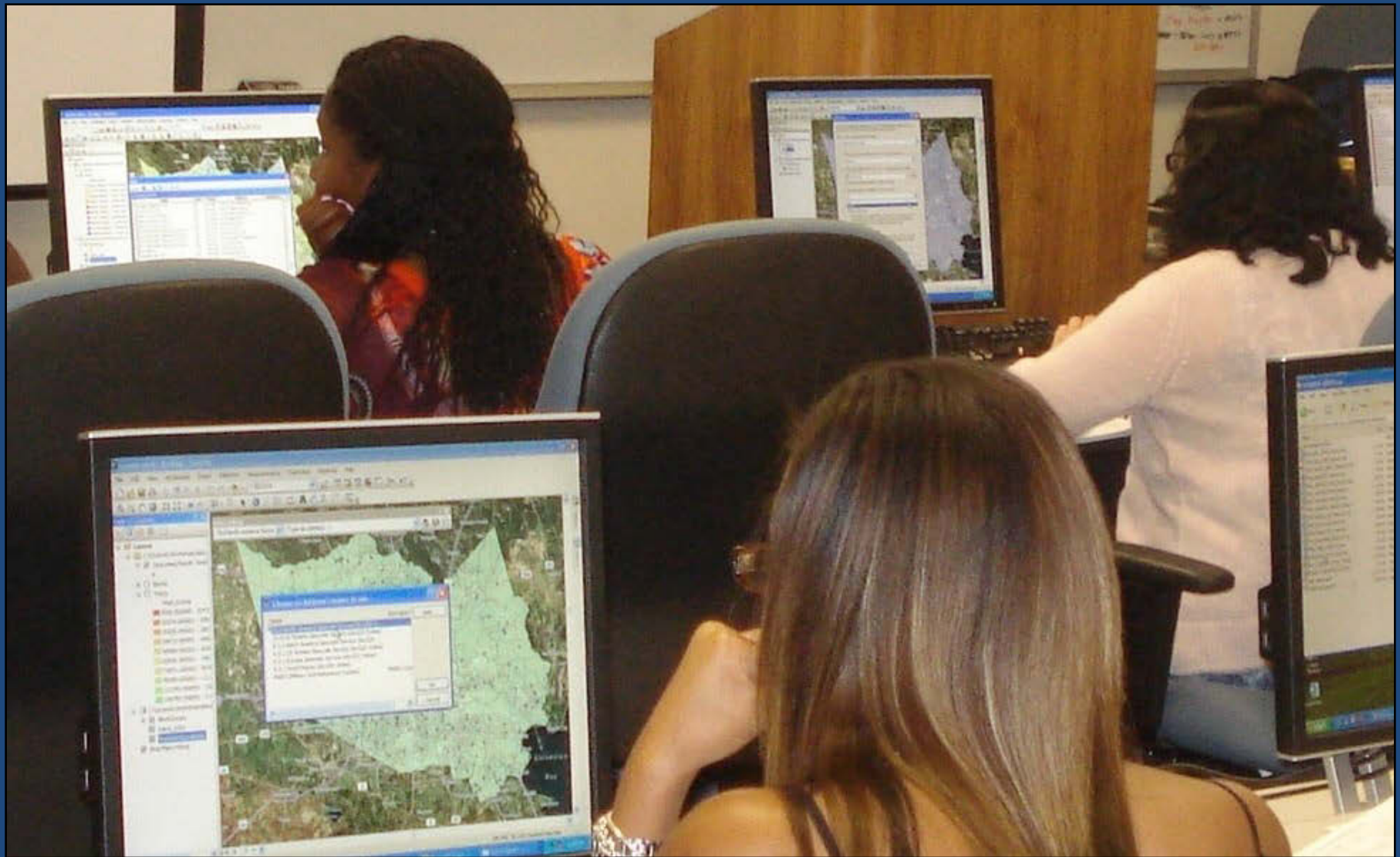
The conference will include sessions on pollution prevention, environmental justice, and environmental public health, along with TRI and other sources of environmental information.

For more information, contact Mary Williams at mwilliams@dillard.edu or Christine Arcari at arcari.christine@epa.gov, or visit www.epa.gov/tri. The conference agenda, registration information, speaker bios, etc., will be posted to the TRI website as soon as they are available.

Co-sponsored by:



National TRI Training Conference – Featuring many EPA environmental information research websites



1. Brief background on the development of the TSU Environmental Justice Community Information Site



Tennessee State University Environmental Justice Community Information Site

Developers:
Dr. David A. Padgett
and
Mrs. Morgan Powell Jackson

Geographic Information Sciences Laboratory
Tennessee State University

This web site is designed to assist environmental justice stakeholders in searching for information about environmental problems in their communities.

Tennessee State University and U.S. Dept. of Energy Partnership on Environmental Justice - Goals



Tennessee State University has partnered together with the U.S. Department of Energy (DOE) to work on a project that facilitates stakeholder's participation in environmental decisions. Environmental justice communities often lack access to critical information sources on environmental risks and hazards. This lack of access to information limits participation of stakeholders in community-based environmental research and subsequent decision-making. The TSU Environmental Justice Community Information website is designed to empower stakeholders in investigating potential threats to their health and safety.

The Tennessee State University/U.S. DOE Partnership on Environmental Justice - Objectives

The primary objectives of this project are:

- to enhance environmental justice stakeholder participation.
- to provide stakeholders with the necessary tools to find pertinent information on toxic releases impacting their local environments.
- to provide stakeholders with easy access to selected environmental and health information sites at one location online.
- to provide stakeholders with online tutorials that show how to easily navigate each site.
- to provide stakeholders with options for one-on-one technical assistance and social networking with other stakeholder communities and environmental justice experts

Selected Environmental Information Websites on the Tennessee State University Environmental Justice Community Information Site

- [U.S. Environmental Protection Agency- Environmental Justice Viewer](#)
- [U.S. Environmental Protection Agency- My Environment Site](#)
- [U.S. Environmental Protection Agency- Toxic Release Inventory Explorer](#)
- [U.S. Environmental Protection Agency- EnviroMapper Site](#)
- [U.S. Environmental Protection Agency – TRI.NET Site](#)
- [National Institutes of Health – TOXMAP Site](#)
- [Environmental Defense Fund Scorecard Site](#)
- [U.S. Environmental Protection Agency – Envirofacts Site](#)

One- on- One Stakeholder Assistance



Dr. David A. Padgett
Webmaster
dpadgett@tnstate.edu
(615) 963- 5508



environmentaljusticetnstate@gmail.com

Social Media Networking for Environmental Justice



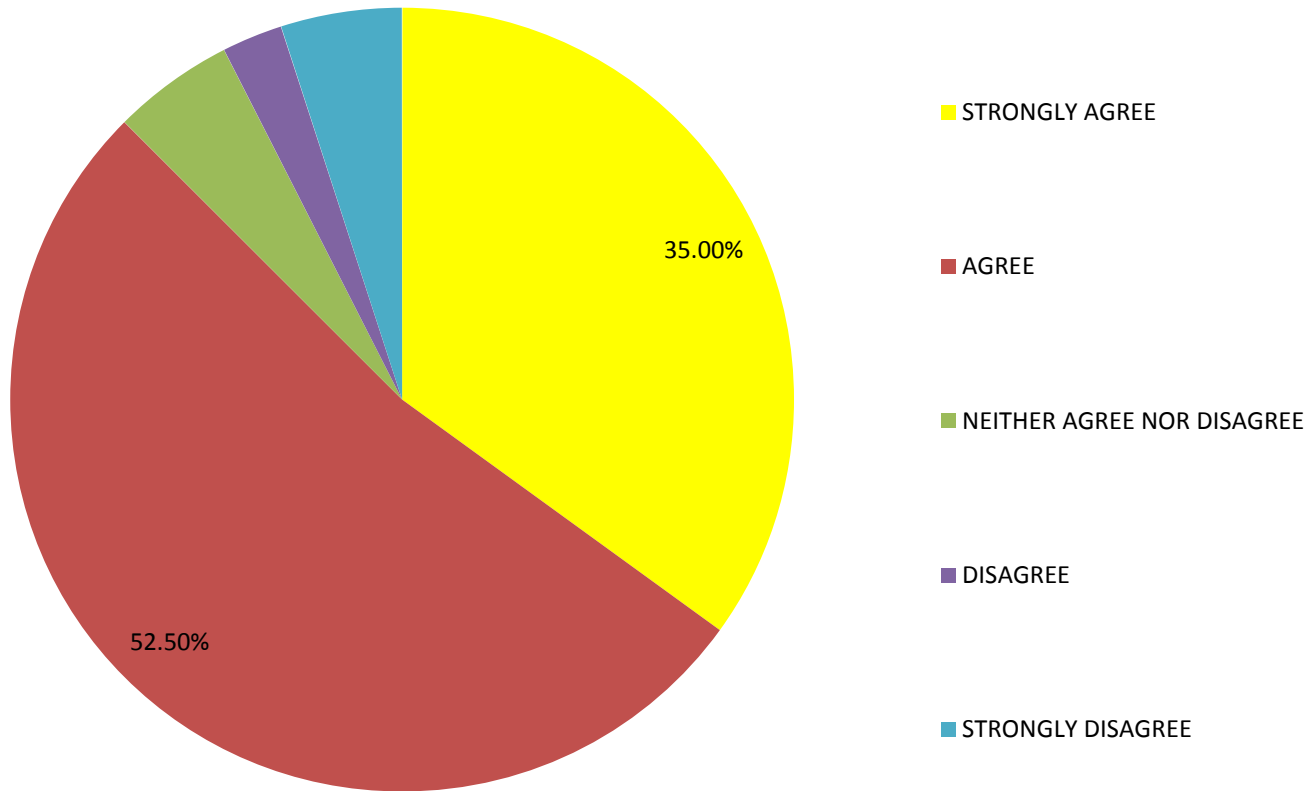
Tennessee State University Environmental Justice
Facebook Page

<https://www.facebook.com/environmentaljustice.tsu>

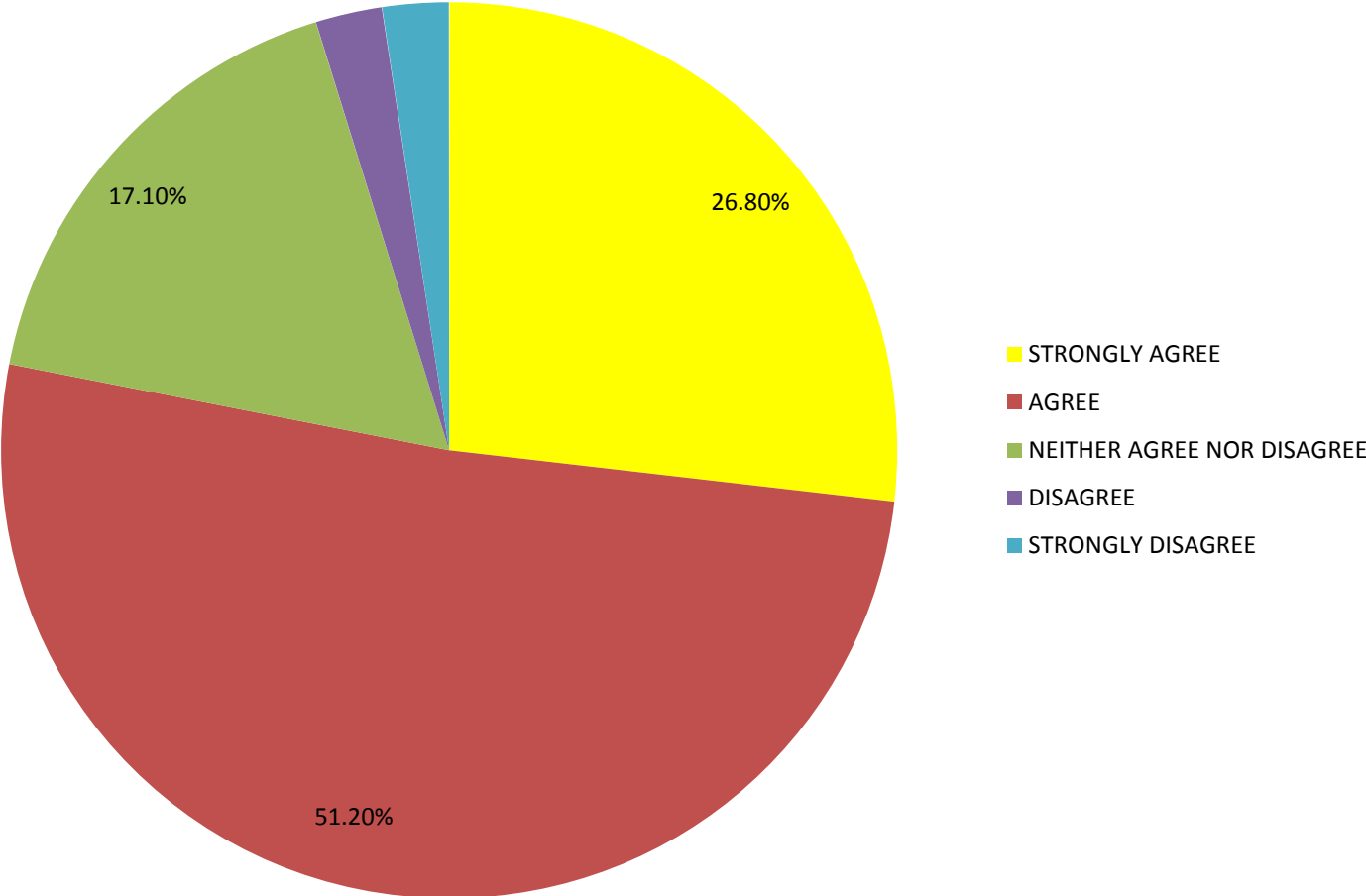


2. Synopsis of User Survey from First Beta Version of the TSU Environmental Justice Community Information Site

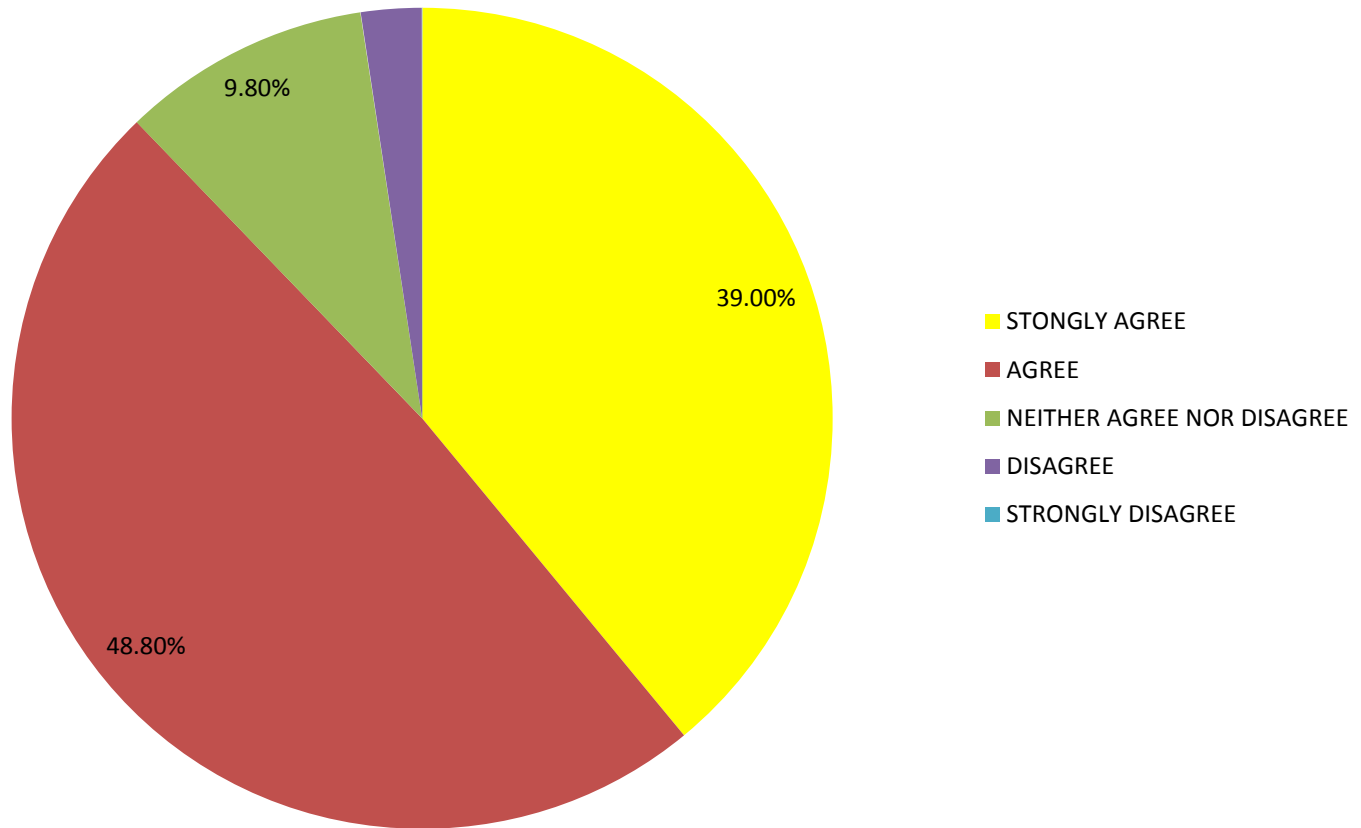
The website was helpful in allowing me to find the information I was seeking



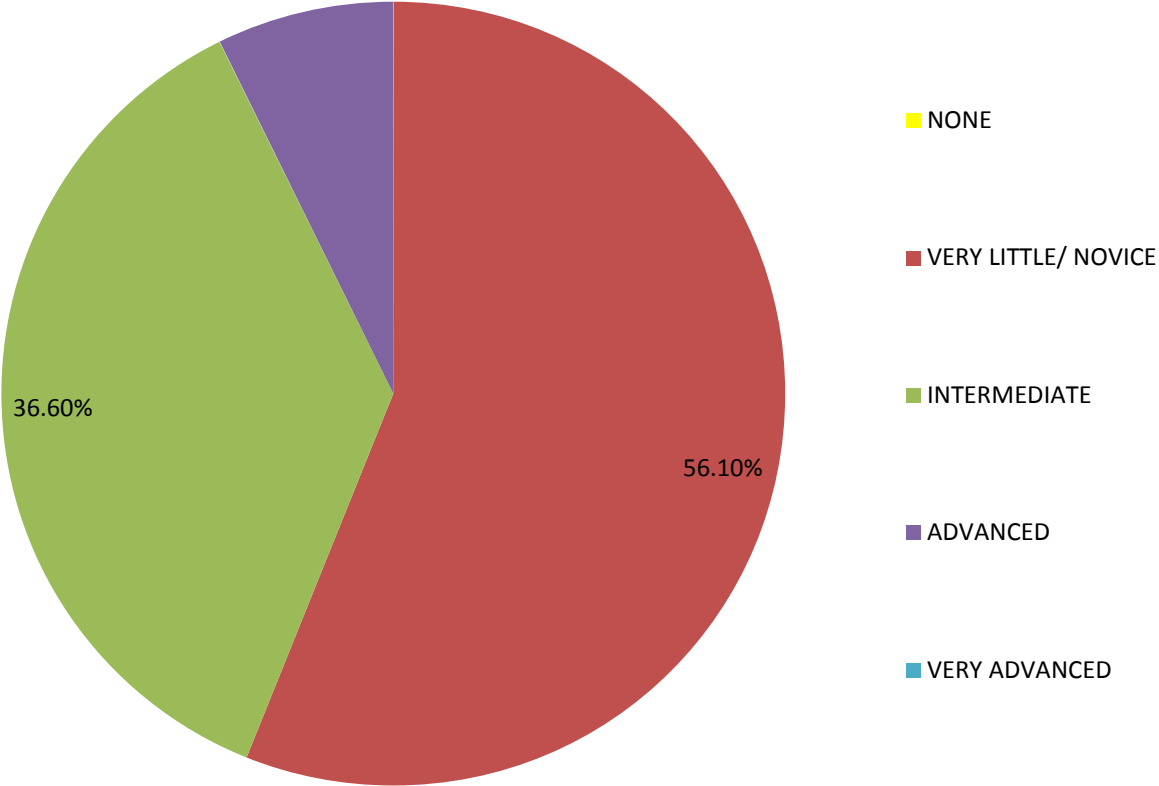
The website was easy to navigate



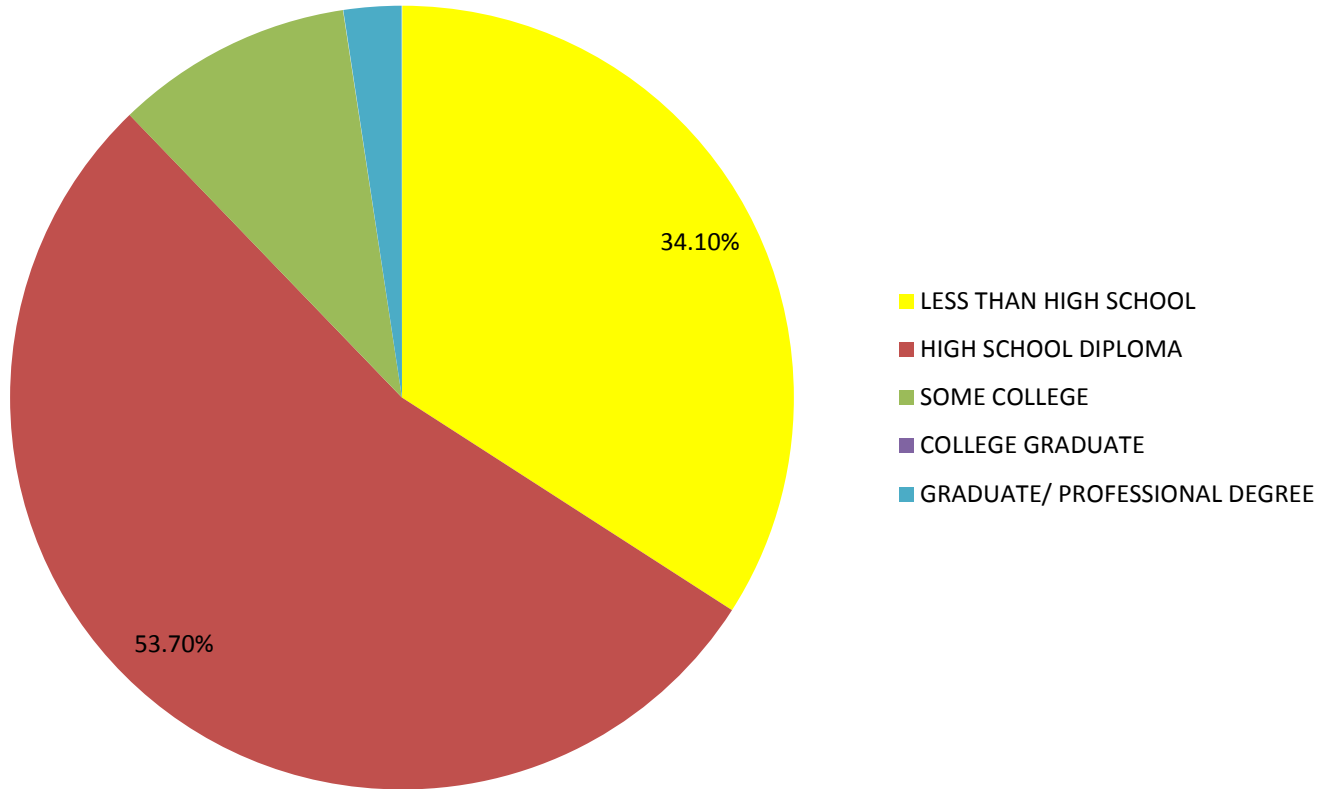
Stakeholders should be able to easily navigate the site



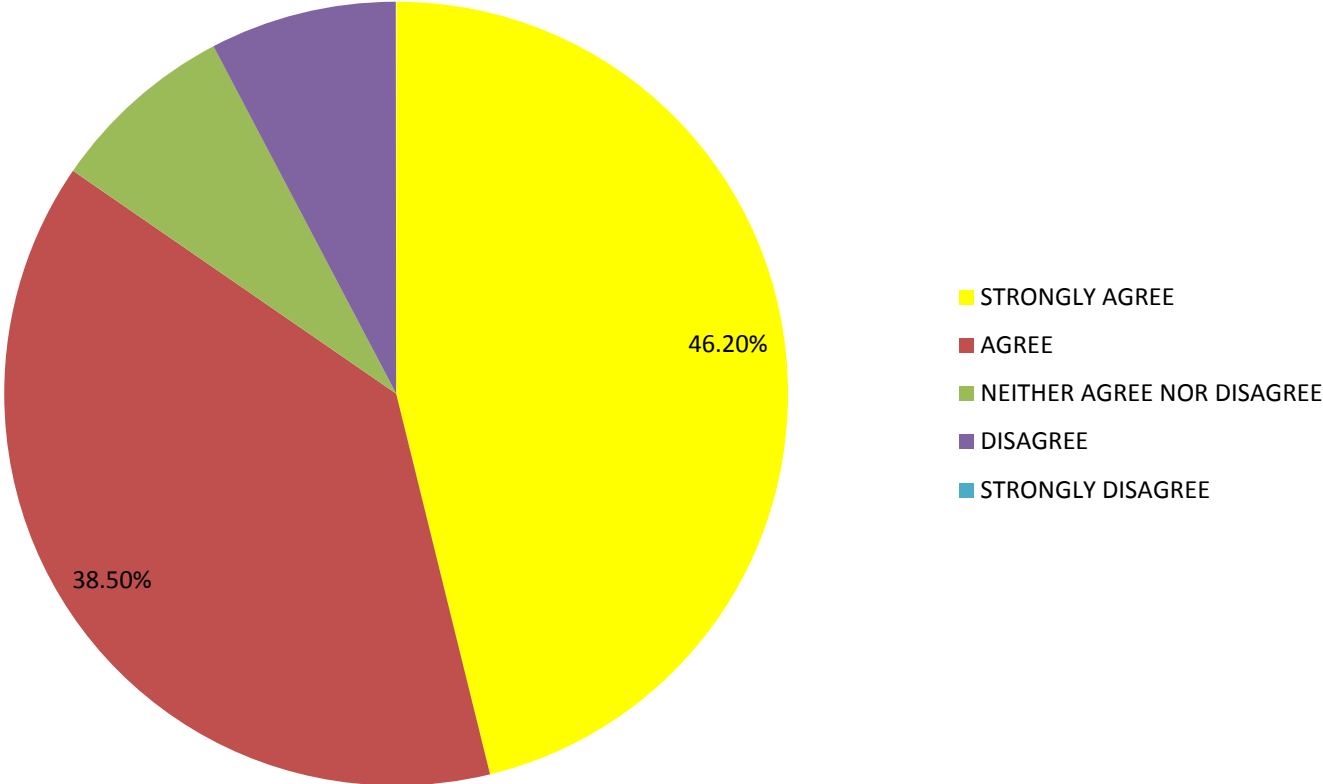
What level of computer literacy would a stakeholder have to have to successfully use the website?



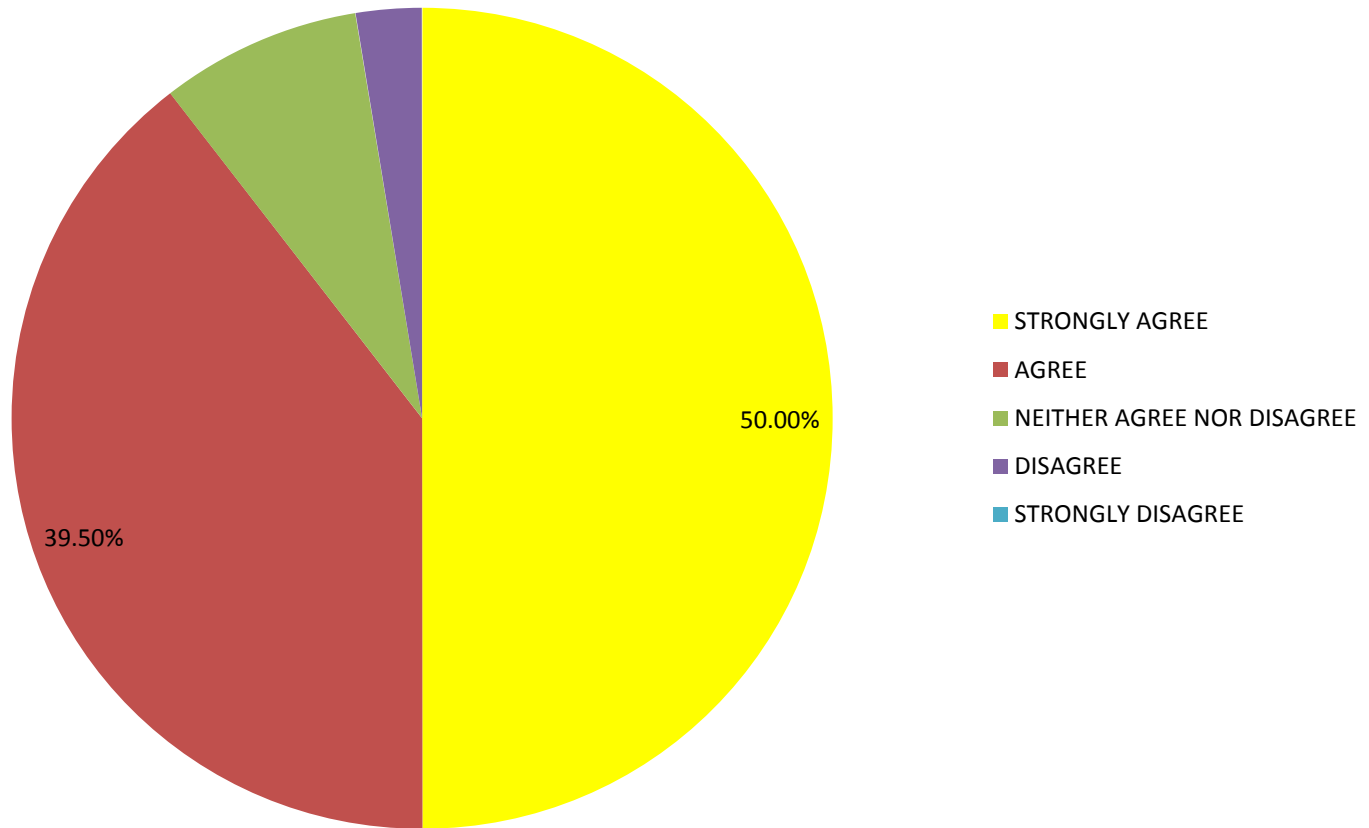
What level of education would a stakeholder have to have to successfully use the website?



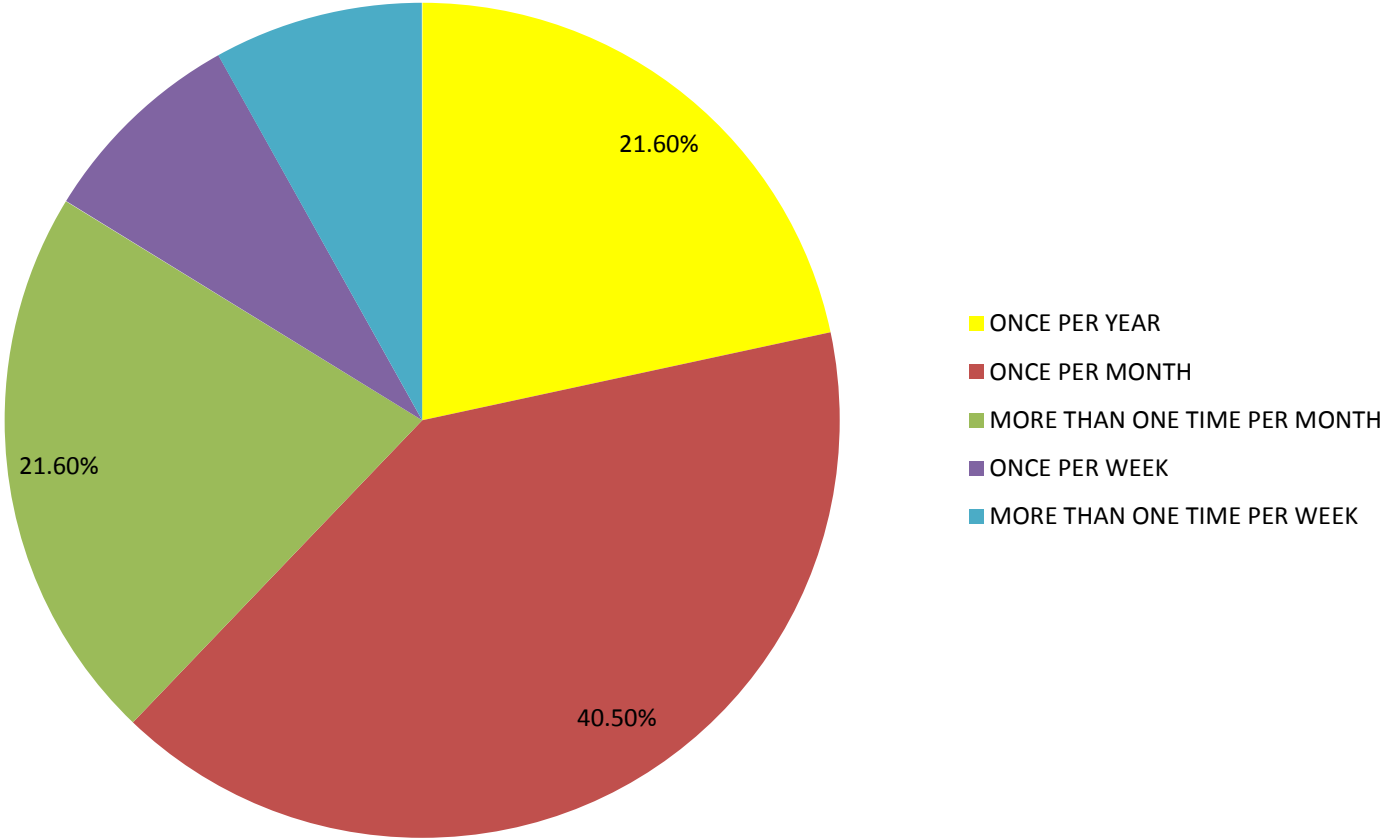
Stakeholders should be able to find information they need on this website



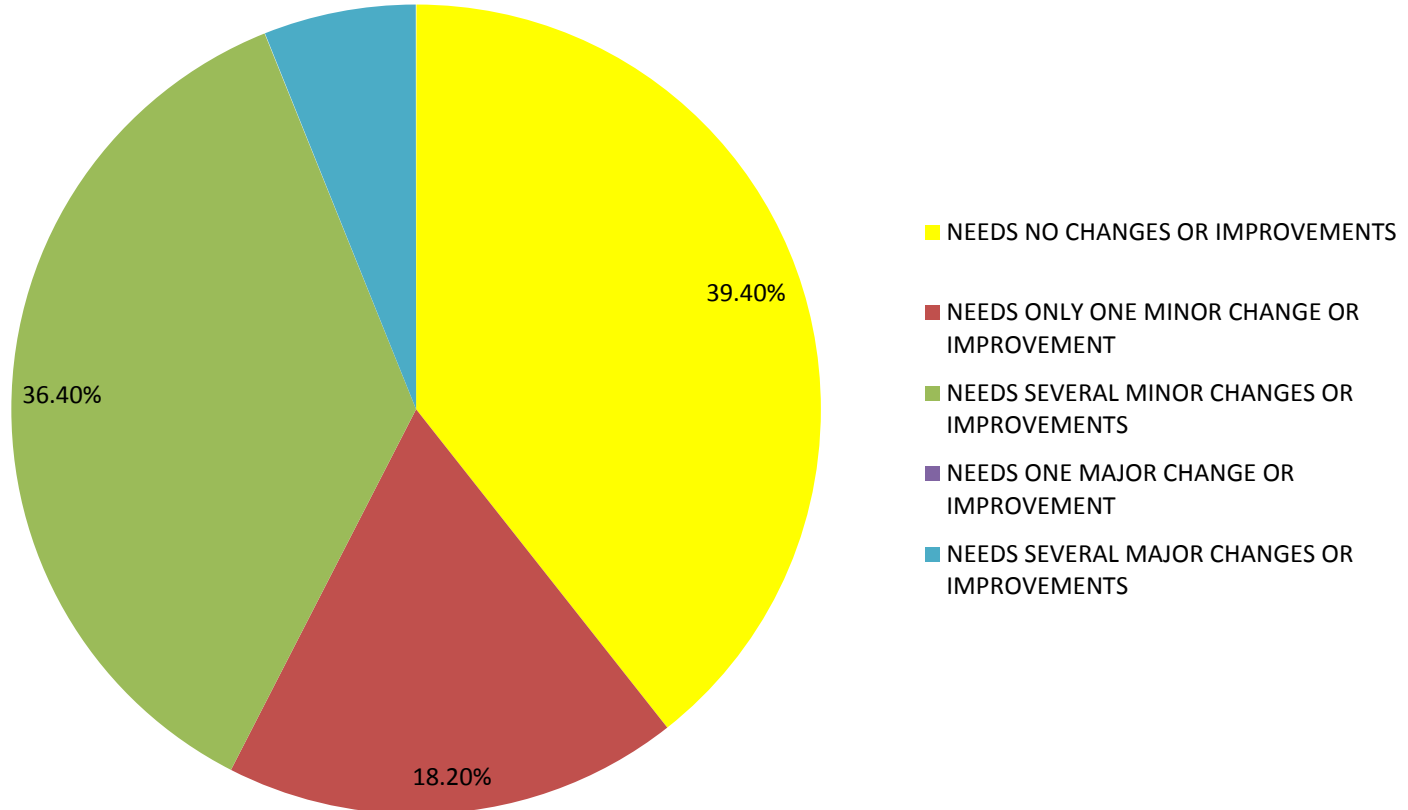
I would recommend this website to EJ stakeholders



How often will you use this website?



The website as is...

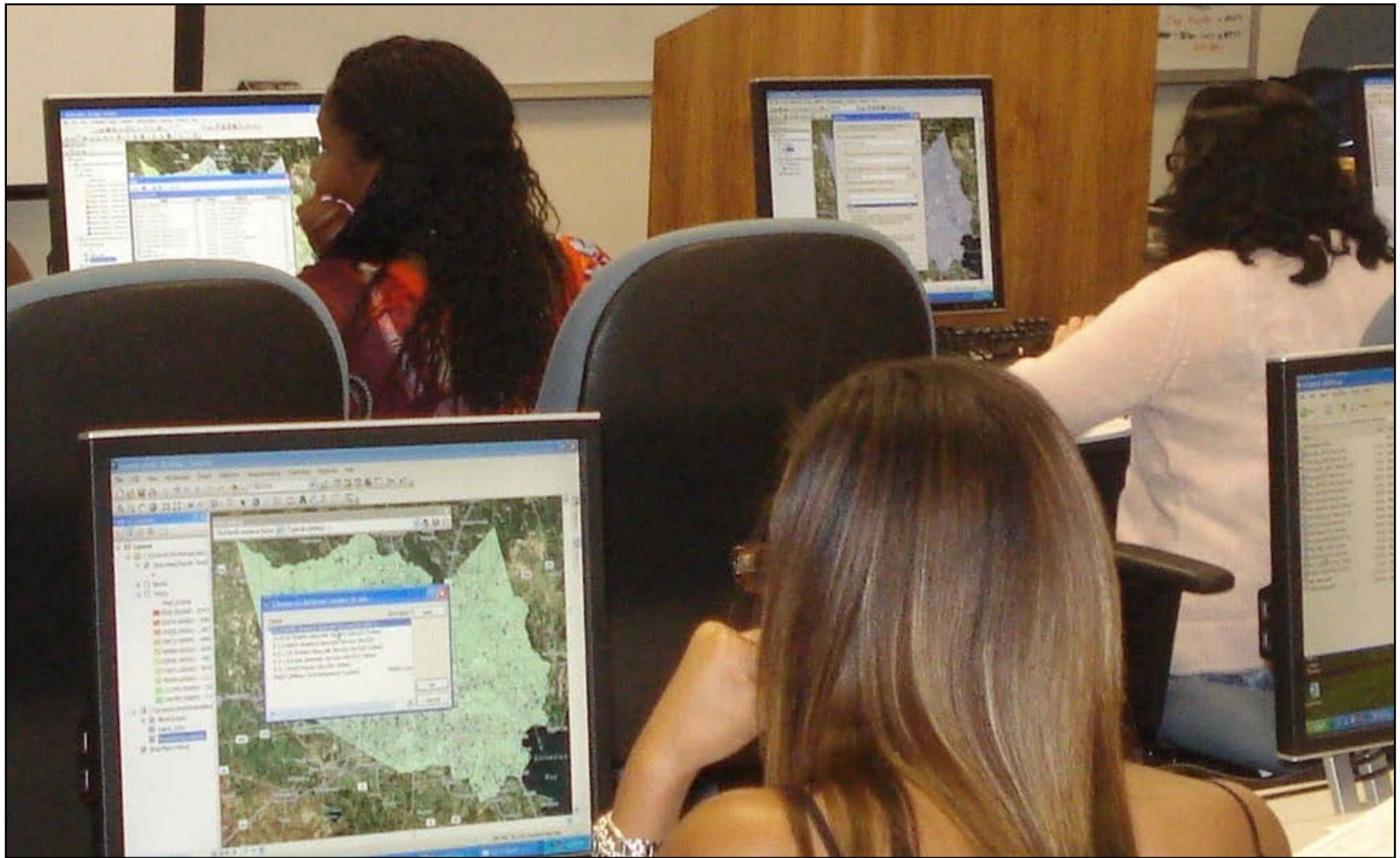


**TSU Environmental Justice Community Information Site
Beta Version One Test**

**Geographic Information Systems (GIS), Global Positioning
Systems (GPS) and Remote Sensing
“Bucket Brigade Community Air Sampling”
Mapping Exercise**



**Low Country Alliance for Model Communities
North Charleston, South Carolina
(with Dr. Sacoby Wilson, University of South Carolina)
David A. Padgett, Director
Geographic Information Sciences Laboratory
Tennessee State University**



3. Live Demonstration of the TSU Environmental Justice Community Information Web Site and Tutorials <https://sites.google.com/site/ejinfotnstate>

4. Thank you for your time and attention.
Questions?



Webinar: Introduction to the Tennessee State University Environmental Justice Community Information Site

<https://sites.google.com/site/ejinfotnstate/>

Facilitator:

Dr. David A. Padgett

Associate Professor of Geography and
Director of the Geographic Information Sciences Laboratory

Tennessee State University

Nashville, Tennessee

dpadgett@tnstate.edu 615-963-5508



The presentation will focus on searches that access the EJ View database.

A simple tutorial of the basics on the website

All of the demonstrations that you see will begin at the
EJ View Homepage
<http://epamap14.epa.gov/ejmap/ejmap.aspx>

EJ View Tutorial

Step by Step Instructions

- 1.) From the EJ View homepage, click on the search tool and enter **37209** as the zip code.
- 2.) Under the Select Map Contents section, expand the **Nonattainment Areas** tool, and select **Ozone 8- hour**. The map should show all the areas with high air pollution in Davidson County with blue striped lines.
- 3.) Zoom out of the map, using the toolbar to the left of the map, then you will see that most of Metro Nashville areas has poor air quality due to pollution in the ozone.
- 4.) Zoom in on the map using the toolbar, near Nashville. Then in the **Select Map Contents** toolbar expand the **Health, Respiratory Risk, by Tract** selections. Then the map will change to show that there is a high number of respiratory risks in the Metro Nashville Area due to poor air quality because of pollution.
- 5.) Zoom in on the map using the toolbar, near Nashville. Then in the **Select Map Contents** toolbar expand the **Health, Cancer and Noncancer, Cancer Risk, by Tract** selections. Then the map will change to show that there is a high number of cancer risks in the Metro Nashville Area.

From the EJ View homepage, click on the search tool and enter **37209** as the zip code. The map should adjust to Nashville, TN.

EPA - EJView - Microsoft Internet Explorer provided by Tennessee State University
http://epamap14.epa.gov/ejmap/ejmap.aspx

Google Search - More >>

Hotmail - mspowellB13@h... EPA - EJView Environmental Justice

U.S. ENVIRONMENTAL PROTECTION AGENCY

EJView
Contact Us
You are here: EPA Home » Compliance and Enforcement » Environmental Justice » EJView entry » EJView Mapper [How to use this page?](#)

Search
Enter search text:
37209
Search

Instructions:

Search
Identify
Erase
Draw
Print

Select Map Contents

- Sites reporting to EPA
- Water Monitoring Stations
- Places (GIS)
- Health Service Areas (HRSA)
- Nonattainment Areas
- Health
- Demographics
- Boundaries and Water Features
- TerraServer Topo Map
- National Land Cover 2001

Environmental Justice Home
EJView Entry
EJView Help

- Filtering Map Features
- Running Reports
- Viewing Map Features
- Description of Features
- Defines Report Area
- Using the Identify Tool
- Using the Search Tool
- Printing
- About EJView

Internet | Protected Mode: On 100% 12:36 PM

Under the Select Map Contents section, expand the **Nonattainment Areas** tool, and select **Ozone 8-hour**.

The map should show all the areas with high air pollution in Davidson County with blue striped lines.

The screenshot displays the EPA EJView web application in a Microsoft Internet Explorer browser. The address bar shows the URL <http://epamap14.epa.gov/ejmap/ejmap.aspx>. The page title is "EJView" and the header identifies it as a U.S. ENVIRONMENTAL PROTECTION AGENCY application. The main content area shows a map of Davidson County, Tennessee, with blue diagonal stripes indicating Nonattainment Areas for Ozone 8-hour. A red arrow points to the "Ozone 8-hour" option in the "Select Map Contents" panel on the right. The panel also includes options for "PM 2.5" and "Health". The left sidebar contains navigation links such as "Environmental Justice Home", "EJView Entry", and "EJView Help". The bottom of the browser window shows the taskbar with several open applications, including "Tennessee State Uni...", "EPA - EJView - Mic...", "Environmental Justi...", and "Microsoft PowerPo...". The system clock in the bottom right corner shows "12:34 PM".

Zoom out of the map, using the toolbar to the left of the map, then you will see that most of Metro Nashville areas has poor air quality due to pollution in the ozone.

The screenshot displays the EPA EJView web application in a Microsoft Internet Explorer browser. The browser's address bar shows the URL <http://epamap14.epa.gov/ejmap/ejmap.aspx>. The page title is "EPA - EJView". The browser's taskbar at the bottom shows several open applications: "Tennessee State Uni...", "EPA - EJView - Mic...", "Environmental Just...", and "Microsoft PowerPoi...".

The main content area features the EPA logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". Below this is the "EJView" header with a "Share" button. A breadcrumb trail reads: "You are here: EPA Home » Compliance and Enforcement » Environmental Justice » EJView entry » EJView Mapper".

The central map shows the Nashville, Tennessee area. A large region, including the city of Nashville and surrounding areas, is highlighted with blue diagonal hatching. This hatched area covers the central and eastern parts of the Metro Nashville area. The map includes various geographical features like roads, rivers, and city names. A search box is visible on the left side of the map, and a toolbar with navigation icons is located in the top-left corner of the map area.

On the right side of the map, there is a "Select Map Contents" panel with several expandable sections:

- Sites reporting to EPA
- Water Monitoring Stations
- Places (GNIS)
- Health Service Areas (HRSA)
- Nonattainment Areas
 - PM 2.5
 - Ozone 8-hour
 - Ozone 8-hour
- Health
 - Demographics
 - Boundaries and Water Features
- TerraServer Topo Map
- National Land Cover 2001

At the bottom of the map, there is a scale bar indicating "20 miles" and a copyright notice for "© 2011 Microsoft Corporation. All rights reserved." The browser's status bar at the very bottom shows "Internet | Protected Mode: On" and the time "12:37 PM".

Zoom in on the map using the toolbar, near Nashville. Then in the **Select Map Contents** toolbar expand the **Health, Respiratory Risk, by Tract** selections. Then the map will change to show that there is a high number of respiratory risks in the Metro Nashville Area due to poor air quality because of pollution.

The screenshot displays the EPA EJView web application interface. The browser window title is "EPA - EJView - Microsoft Internet Explorer provided by Tennessee State University". The address bar shows "http://epamap14.epa.gov/ejmap/ejmap.aspx". The page header includes the U.S. Environmental Protection Agency logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". The main content area features a map of the Nashville area with a legend on the right titled "Select Map Contents". The legend shows the following options:

- Sites reporting to EPA
- Water Monitoring Stations
- Places (GNIS)
- Health Service Areas (HRSA)
- Nonattainment Areas
 - PM 2.5
 - Ozone 8-hour
- Health
 - Cancer and Noncancer (2002)
 - Cancer Risk
 - Respiratory Risk
 - by Tract (selected)
 - by County
 - Neurological Risk
 - Infant Mortality Rate (2004)
 - Low Birth Weight Rate (2004)
- Demographics
- Boundaries and Water Features
 - TerraServer Topo Map
 - National Land Cover 2001

The map shows a color-coded legend for "Total risk" with the following categories:

- < 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 70
- > 70

The map shows a high concentration of risk in the Metro Nashville Area, indicated by the darker purple shading. The toolbar on the left includes "Search", "Identify", "Erase", "Draw", and "Print". The browser status bar at the bottom shows "Internet | Protected Mode: On" and the time "1:02 PM".

Zoom in on the map using the toolbar, near Nashville. Then in the **Select Map Contents** toolbar expand the **Health, Cancer and Noncancer, Cancer Risk, by Tract** selections. Then the map will change to show that there is a high number of cancer risks in the Metro Nashville Area.

The screenshot displays the EPA EJView web application interface. The browser window shows the URL <http://epamap14.epa.gov/ejmap/ejmap.aspx>. The page header includes the U.S. Environmental Protection Agency logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". The main content area features a map of the Nashville area with a color-coded overlay representing cancer risk by tract. The legend on the right, titled "Select Map Contents", shows the following options:

- Sites reporting to EPA
- Water Monitoring Stations
- Places (GNIS)
- Health Service Areas (HRSA)
- Nonattainment Areas
 - PM 2.5
 - Ozone 8-hour
 - Ozone 8-hour
- Health
 - Cancer and Noncancer (2002)
 - Cancer Risk
 - by Tract
 - by County
 - Respiratory Risk
 - Neurological Risk
 - Infant Mortality Rate (2004)
 - Low Birth Weight Rate (2004)
- Demographics
- Boundaries and Water Features
 - TerraServer Topo Map
 - National Land Cover 2001

The legend also includes a color scale for "Total risk per million" with categories: < 30, 30 - 50, 50 - 75, 75 - 250, and > 250. The map shows the highest risk areas (darkest blue) concentrated in the Metro Nashville Area. The browser window also shows the "Environmental Justice" tab and the "EJView" application title. The bottom of the screen shows the Windows taskbar with the system clock at 12:56 PM.

The presentation will focus on searches that
access the
Envirofacts database.

A simple tutorial of the basics on the website

All of the demonstrations that you see will
begin at the Envirofacts Homepage
(<http://www.epa.gov/enviro>)

Envirofacts Tutorial

Step by Step Instructions

- 1.) From the Envirofacts Homepage Select **COMPLIANCE**
- 2.) In the search area select for zip code or city/ state type: **EL PASO, TX** then click the **SEARCH** button
- 3.) Select and view the history of **Arcelormittal Vinton Inc.**
- 4.) Scroll to the **bottom** of the page.
- 5.) Look for the **Demographic Profile of Surrounding Area (3 miles).**
- 6.) Select **1, 3, or 5 miles** from the facility in question.
- 7.) Leave the Envirofacts Database and enter the **Environmental Justice Geographic Assessment Tool** .

From the Envirofacts Homepage Select “COMPLIANCE”

The screenshot shows a Microsoft Internet Explorer browser window displaying the Envirofacts homepage. The address bar shows the URL <http://www.epa.gov/enviro/>. The page header includes the EPA logo and navigation links: [LEARN THE ISSUES](#), [SCIENCE & TECHNOLOGY](#), [LAWS & REGULATIONS](#), and [ABOUT EPA](#). A search bar is located in the top right corner with the text "ALL EPA" and "THIS AREA" selected, and a "SEARCH" button. The main content area features a "How to Use Envirofacts" section with a large "Envirofacts" logo and the tagline "Your one-stop source for Environmental Information". Below this, there are two main sections: "Get the EnviroFACTS!" and "Topic Searches". The "Get the EnviroFACTS!" section includes a text input field with the placeholder text "Enter a location such as address, zip, city, county, waterbody, park name, etc." and a search button. The "Topic Searches" section contains six icons representing different environmental categories: Air, Waste, Facility, Land, Toxics, and Compliance. The "Compliance" icon is highlighted in yellow. The browser's taskbar at the bottom shows the Start button, several open applications (Swivel Pro, Microsoft PowerPoint), and the system tray with the date and time (12:28 PM).

In the search area select for zip code or city/ state type:

EL PASO, TX then click the **SEARCH** button

Topic Searches | Envirofacts | US EPA - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address <http://www.epa.gov/enviro/facts/topicsearch.html#compliance> Go Links

FRS Organization Search Full Search

What organizations are connected with facilities in my area of interest?

Enter ZIP or City, State

ZIP Code City, State

This search allows you to retrieve a list of selected organizations. The organizations are pulled from our regulatory program systems, which use terms such as owner, operator, permittee, responsible party, establishment, parent company, parent corporation, and ultimate parent to describe their relationship with facilities. [More information on FRS.](#)

[Top of Page](#)

Compliance Full Search

ECHO/IDEA

What are the compliance records for facilities in my area of interest?

EL PASO, TX

ZIP Code City, State

ECHO reports provide a snapshot of a facility's environmental record, showing dates and types of violations, as well as the state or federal government's response. ECHO reports also contain demographic information from the National Census. EPA, state and local environmental agencies, and the facilities collect/report the data that are submitted to EPA databases. [More information on ECHO.](#)

[Top of Page](#)

Other Full Search

GICS

What grants have been awarded in my area of interest?

Enter ZIP or City, State

ZIP Code City, State

EPA's management information system for grants programs is the Grants Information and Control System (GICS), which awards, administers, and monitors grants. Grants are regularly awarded to Federal, State, or local government agencies, universities, and other institutions that support EPA's environmental programs. [More information on GICS.](#)

start Swivel Pro (E:) Microsoft PowerPoint ... Topic Searches | Envi... Internet 12:31 PM

This search of the Enforcement and Compliance Online database turns up a list of facilities in the greater El Paso area and their compliance histories with respect to Environmental Laws and Regulations

U.S. ENVIRONMENTAL PROTECTION AGENCY
Enforcement & Compliance History Online (ECHO)

Recent Additions | Contact Us
 You are here: EPA Home » Compliance and Enforcement » ECHO » Search Data » Search Results

ECHO Enforcement and Compliance History Online

Map | Add/Remove Columns | Download | New Search | Help

Search Results (All Programs) - 376 Facilities Returned Report Generated on 8/3/2010

-Information on the [enforcement process](#) is available on the FAQ page.
 -Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.

Facility Information <small>(select buttons next to the name to view additional reports - Legend)</small>	Program ID#	Inspections (5 yrs)	Qtrs in Non Compliance (3 yrs)	# Effluent Exceedances (3 yrs)	Alleged Current Significant Violations	Informal Enforcement Actions/NOVs (5 yrs)	Formal Enforcement Actions (5 yrs)	Penalties (5 yrs)	TRI Che Release:
A & I SUPPLY COMPANY INC 139 N COTTON ST EL PASO, TX 79901 FRS ID: 110005024151	RCR: TX0000999623				no		1		
A O SMITH ELECTRICAL PRODUCTS 9815 PLAZA CIRCLE RD EL PASO, TX 79927 FRS ID: 110005174756	RCR: TXR000017368				no		1		
A QUALITY BODY SHOP 9805 MONTANA EL PASO, TX 79925 FRS ID: 110005021047	RCR: TX0000887810				no		1		
AAA CLEANERS 3354 WEDGEWOOD DR EL PASO, TX 79925	RCR: TXR000069864	1			no		2	\$711	

ZIP Code | City, State

start | Swivel Pro (E:) | Microsoft PowerPoint... | Topic Searches | Envi... | IDEA Query Results -... | 12:34 PM

Select and view the history of **Arcelormittal Vinton Inc.** (a company that has violations)
 This is the public record on this company.

U.S. ENVIRONMENTAL PROTECTION AGENCY
Enforcement & Compliance History Online (ECHO)

Recent Additions | Contact Us
 You are here: EPA Home » Compliance and Enforcement » ECHO » Search Data » Search Results

Detailed Facility Report Map Report Error Data Dictionary

For Public Release - Unrestricted Dissemination Report Generated on 08/03/2010
 US Environmental Protection Agency - Office of Enforcement and Compliance Assurance

Facility Permits and Identifiers Data Dictionary

Statute	System	Source ID	Facility Name	Street Address	City	State	Zip
	FRS	110000600154	ARCELORMITTAL VINTON INC	INTERSTATE 10 AND VINTON ROAD	VINTON	TX	79821
CAA	AFS	4814100002	ARCELORMITTAL VINTON	TAKE I-10 WEST TAKE VINTON EXI	EL PASO	TX	79835
CAA	NEI	NEI7377	Border Steel Mills Inc			TX	79821
CAA	NEI	NEI7377	BORDER STEEL INC			TX	79821
CAA	NEI	NEI7377	BORDER STEEL INC			TX	79901
RCRA	RCR	TXD007398175	ARCELORMITTAL VINTON INC	IH 10 & VINTON RD	ANTHONY	TX	79821
EP313	TRI	79912BRDRSVINTO	ARCELORMITTAL VINTON INC	I-10 & VINTON RD	VINTON	TX	79821

Facility Characteristics Data Dictionary

Statute	Source ID	Universe	Status	Areas	Permit Expiration Date	Latitude/ Longitude	Indian Country?	SIC Codes	NAICS Codes
	110000600154					LRT: 31.985340 , -106.585052	No		
CAA	4814100002	Major (Fed. Per...)	Operating	MACT (SECTION 63 NESHAPS), TITLE V PERMITS, SIP, NSPS			NA	3312 8000	

For this search, we are interested in the EJ community impacts and the demographic information nearby.
To find this, scroll to the **bottom** of the page.

EPA IDEA Query Results - Microsoft Internet Explorer

Address: <http://www.epa-echo.gov/cgi-bin/get1cReport.cgi?tool=echo&IDNumber=110000600154>

Federal enforcement actions and penalties shown in this section are from the Integrated Compliance Information System (ICIS-FE&C). These actions may duplicate records in the Formal Enforcement Actions section.

TRI History of Reported Chemicals Released in Pounds per Year at Site:79912BRDRSVINTO Data Dictionary

Chemical releases reported to TRI are provided for context and are not associated with non-compliance for that facility.

Year /	Total Air Emissions	Surface Water Discharges	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers	Total Releases and Transfers
2000	12,836				12,836	2,059,138	2,071,974
2001	12,338				12,338	1,877,963	1,890,301
2002	13,452				13,452	2,168,477	2,181,929
2003							
2004							
2005	15,081				15,081	2,431,802	2,446,883
2006	22,244				22,244	2,838,351	2,860,595
2007	21,704				21,704	2,665,149	2,686,853
2008	9,059	25			9,084	2,349,278	2,358,362

TRI Total Releases and Transfers by Chemical and Year Data Dictionary

Chemical releases and transfers are in pounds except where otherwise noted.

Chemical Name	2000	2001	2002	2003	2004	2005	2006	2007	2008
PROPYLENE									750
LEAD	177,093	142,862	154,543			194,766	227,787	214,155	1,854,071
MERCURY	2,844	2,992	2,866			3,301	2,723		19,369
CADMIUM	5,760	5,408	4,941			4,681	5,475	5,148	100,839
COPPER	28,758	26,808	27,286			28,840	33,730	31,711	35,762
ZINC (FUME OR DUST)	1,622,046	1,461,113	1,762,761			1,957,016	2,288,811	2,151,847	1,908,234

Demographic Profile of Surrounding Area (3 Miles) Data Dictionary

Open more detailed information in a new window (link: [Leave ECHO: 1 Mi](#), [2 Mi](#) or [5 Mi](#))

Slide 7 of 7 Office Theme English (U.S.)

start Swivel Pro (E:) Microsoft PowerPoint... Topic Searches | Envi... EPA IDEA Query Res... 12:54 PM

Look for the

Demographic Profile of Surrounding Area (3 miles).

The table of information contains a summary of EJ data in the radius; its located at the very end of the environmental information summary of the company.

Demographic Profile of Surrounding Area (3 Miles) Data Dictionary

Open more detailed information in a new window (links leave ECHO): [1 Mi](#) [3 Mi](#) or [5 Mi](#).
This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2000 US Census data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA [Locational Reference Table\(LRT\)](#) when available.

Radius of Area:	3 Miles	Land Area:	99.86%	Households in area:	3,662
Center Latitude:	31.965340	Water Area:	0.14%	Housing units in area:	3,923
Center Longitude:	-106.585052	Population Density:	535.99/sq. mi.	Households On Public Assistance:	382
Total Persons:	15,131	Percent Minority:	92.04%	Persons Below Poverty Level:	4,217

Race Breakdown	Persons (%)	Age Breakdown:	Persons (%)
White:	11,724 (77.48%)	Child 5 years and less:	1,678 (11.09%)
African-american:	194 (1.28%)	Minors 17 years and younger:	5,208 (34.42%)
Hispanic-Origin:	13,673 (90.36%)	Adults 18 years and older:	9,923 (65.58%)
Asian/Pacific Islander:	35 (0.23%)	Seniors 65 years and older:	945 (6.25%)
American Indian:	91 (0.60%)		
Other/Multiracial:	2,827 (18.68%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown:	Households (%)
Less than 9th grade:	2,129 (29.03%)	Less than \$15,000:	926 (25.29%)
9th-12th grades:	1,587 (21.64%)	\$15,000-\$25,000:	948 (25.89%)
High School Diploma:	1,752 (23.89%)	\$25,000-\$50,000:	1,147 (31.32%)
Some College/2-yr:	1,355 (18.48%)	\$50,000-\$75,000:	406 (11.09%)
B.S./B.A. or more:	511 (6.97%)	Greater than \$75,000:	223 (6.09%)

Please note: Entries in gray denote records that are not federally required to be reported to EPA. These data may not be reliable.

Notice About Duration of Violations -- The duration of violations shown on this report is an estimate of the actual duration of the violations that might be alleged or later determined in a legal proceeding. For example, the start date of the violation as shown in the ECHO database is normally when the government first became aware of

The information can have expanded data by asking for a summary of 1, 3, or 5 miles from the facility in question.

(El Paso, Texas Demographics.pdf)

EPA IDEA Query Results - Microsoft Internet Explorer

Address: <http://www.epa-echo.gov/cgi-bin/get1cReport.cgi?tool=echo&IDNumber=110000600154>

Chemical Name	2000	2001	2002	2003	2004	2005	2006	2007	2008
PROPYLENE									750
LEAD	177,093	142,662	154,543			194,766	227,787	214,155	1,854,071
MERCURY	2,844	2,992	2,866			3,301	2,723		19,369
CADMIUM	5,760	5,408	4,941			4,681	5,475	5,148	100,839
COPPER	28,758	26,808	27,286			28,840	33,730	31,711	35,762
ZINC (FUME OR DUST)	1,622,046	1,461,113	1,762,761			1,957,016	2,288,811	2,151,847	1,908,234

Demographic Profile of Surrounding Area (3 Miles)

[Data Dictionary](#)

Open more detailed information in a new window (links leave ECHO): [1 Mi](#) [3 Mi](#) or [5 Mi](#).

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2000 US Census data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA [Locational Reference Table\(LRT\)](#) when available.

Radius of Area:	3 Miles	Land Area:	99.86%	Households in area:	3,662
Center Latitude:	31.965340	Water Area:	0.14%	Housing units in area:	3,923
Center Longitude:	-106.585052	Population Density:	535.99/sq. mi.	Households On Public Assistance:	382
Total Persons:	15,131	Percent Minority:	92.04%	Persons Below Poverty Level:	4,217

Race Breakdown	Persons (%)	Age Breakdown:	Persons (%)
White:	11,724 (77.48%)	Child 5 years and less:	1,678 (11.09%)
African-american:	194 (1.28%)	Minors 17 years and younger:	5,208 (34.42%)
Hispanic-Origin:	13,673 (90.36%)	Adults 18 years and older:	9,923 (65.58%)
Asian/Pacific Islander:	35 (0.23%)	Seniors 65 years and older:	945 (6.25%)
American Indian:	91 (0.60%)		
Other/Multiracial:	2,827 (18.68%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown:	Households (%)
Less than 9th grade:	2,129 (29.03%)	Less than \$15,000:	926 (25.29%)
9th-12th grades:	1,587 (21.64%)	\$15,000-\$25,000:	948 (25.89%)
High School Diploma:	1,752 (23.89%)	\$25,000-\$50,000:	1,147 (31.32%)
Some College/2-yr:	1,355 (18.48%)	\$50,000-\$75,000:	406 (11.09%)

Slide 8 of 8 Office Theme English (U.S.)

start Swivel Pro (E:) Microsoft PowerPoint... Topic Searches | Envi... EPA IDEA Query Res... 1:00 PM

When you click the highlighted text at the top of the demographic data table, you leave the Envirofacts Database and enter the **Environmental Justice Geographic Assessment Tool** which contains the demographic data of the selected area.

The image shows two overlapping web browser windows. The background window is 'EPA IDEA Query Results' displaying a table of chemical concentrations and a demographic profile. The foreground window is 'EPA - EnviroMapper' showing the 'Environmental Justice Geographic Assessment Tool' interface.

EPA IDEA Query Results - Microsoft Internet Explorer

Chemical name	2000	2001	2002	2003	2004	2005	2006	2007	2008
PROPYLENE									750
LEAD	177,093	142,662	154,543			194,766	227,787	214,155	1,854,071
MERCURY	2,844	2,992							
CADMIUM	5,760	5,408							
COPPER	28,758	26,808							
ZINC (FUME OR DUST)	1,622,046	1,461,113							

Demographic Profile of Surrounding Area (3 Miles)

Open more detailed information in a new window (links leave ECHO): [1 Mi](#) [3 Mi](#)

This section provides demographic information regarding the community surrounding the facility. This section provides demographic information regarding the community surrounding the facility had negative impacts on public health or the environment. Statistics are listed below are correct. The latitude and longitude are obtained from the EPA.

Radius of Area:	3 Miles	Land Area:	
Center Latitude:	31.965340	Water Area:	
Center Longitude:	-106.585052	Population Density:	
Total Persons:	15,134	Percent Minorities:	

Race Breakdown

Race	Persons (%)
White:	11,724 (77.48%)
African-american:	194 (1.28%)
Hispanic-Origin:	13,673 (90.36%)
Asian/Pacific Islander:	35 (0.23%)
American Indian:	91 (0.60%)
Other/Multiracial:	2,827 (18.68%)

Education Level (Persons 25 & older)

Education Level	Persons (%)
Less than 9th grade:	2,129 (29.03%)
9th-12th grades:	1,587 (21.64%)
High School Diploma:	1,752 (23.89%)
Some College/2-yr:	1,355 (18.48%)

EPA - EnviroMapper - Environmental Justice Geographic Assessment Tool - Microsoft Internet Explorer

U.S. ENVIRONMENTAL PROTECTION AGENCY

Environmental Justice Geographic Assessment Tool

[Contact Us](#) | [Print Version](#) Search: [GO](#)

[EPA Home](#) > [EnviroMapper](#) > Environmental Justice Geographic Assessment Tool

Statistics represent residential population, by Census Block Group, within a buffer of interest

Enter a new buffer value (max. 10 miles) [GO](#)

[Social](#) [Economic](#) [Health](#) [Environmental](#)

[County and State Comparison](#)

[Overview](#)

Income Distribution

\$15,000-\$25,000:	948 (20.63%)
\$25,000-\$50,000:	1,147 (31.32%)
\$50,000-\$75,000:	406 (11.09%)

Done

Slide 10 of 10 Office Theme English (U.S.)

start Swivel Pro (E:) Microsoft Pow... Topic Search... EPA IDEA Que... EPA - EnviroM... 1:09 PM

You have been here before because **TRI.NET** also links to this site. Although it is the same data, the approach to finding it was different.

The screenshot displays the EPA EnviroMapper website interface. The main heading is "Environmental Justice Geographic Assessment Tool" under the U.S. Environmental Protection Agency logo. A search bar and navigation links are visible. The page features a sidebar with navigation options like "EJ Home", "EJ Assessment", "Contact Us", and "Online Help".

Key text on the page includes:

- "Statistics represent residential population, by Census Block Group, within a 5 mile buffer around feature of interest"
- "Enter a new buffer value (max. 10 miles) [input field] Go"
- Navigation tabs: Social, Economic, Health, Environmental, Map
- Section: "County and State Comparison"
- Section: "Overview"

Overview	
Total Persons:	29881
Population Density:	381.16 /sq mi
Percent Minority:	90%
Percent Urban:	85%
Land Area:	99.8%
Water Area:	0.2%
Persons Below Poverty Level:	8868 (31.3%)
Housing Units Built <1970:	21%
Households in Area:	71
Housing Units in Area:	80
Households on Public Assistance:	
Housing Units Built <1950:	

The browser window shows the URL: <http://www.epa-echo.gov/cgi-bin/get1cReport.cgi?tool=echo&IDNumber=110000600154>. The taskbar at the bottom includes the Start button, Swivel Pro (E:), Microsoft PowerPoint, Topic Searcher, EPA IDEA Query Results, and EPA - EnviroMapper.

The presentation will focus on searches
that access the
EnviroMapper database.

A simple tutorial of the basics on the website

All of the demonstrations that you see will begin at the
My Environment Homepage
<http://www.epa.gov/epahome/commsearch.htm>

EnviroMapper Tutorial

Step by Step Instructions

- 1.) From the EnviroMapper homepage, enter **37209** as the zip code.
- 2.) Under the Air, Water, and Waste tab, select **Toxics**, wait for the map to load the new data.
- 3.) Scroll to the bottom of the page, and click **Aladdin Industries Incorporated**.
- 4.) The Multisystem report is generated for Aladdin Industries Inc.
- 5.) The types of pollutants being released is described in the report.
- 6.) Other detailed information is provided in the report as well.

From the EnviroMapper homepage, enter **37209** as the zip code.

The screenshot shows the EnviroMapper for Envirofacts homepage in Internet Explorer. The browser title is "EnviroMapper for Envirofacts | US EPA - Windows Internet Explorer" and the address bar shows "http://www.epa.gov/emefdata/em4ef.home". The page features the EPA logo and a search bar with "37209" entered. Below the search bar is a welcome message and a footer with navigation links and social media options.

EnviroMapper for Envirofacts

37209

Enter a location such as address, zip, city, county, waterbody, park name, etc. (e.g., 22207, Arlington, VA or Difficult Run).

Welcome to EnviroMapper for Envirofacts, a single point of access to select U.S. EPA environmental data. This Web site provides access to several EPA databases to provide you with information about environmental activities that may affect air, water, and land anywhere in the United States. With Envirofacts, you can learn more about these environmental activities in your area or you can generate maps of environmental information.

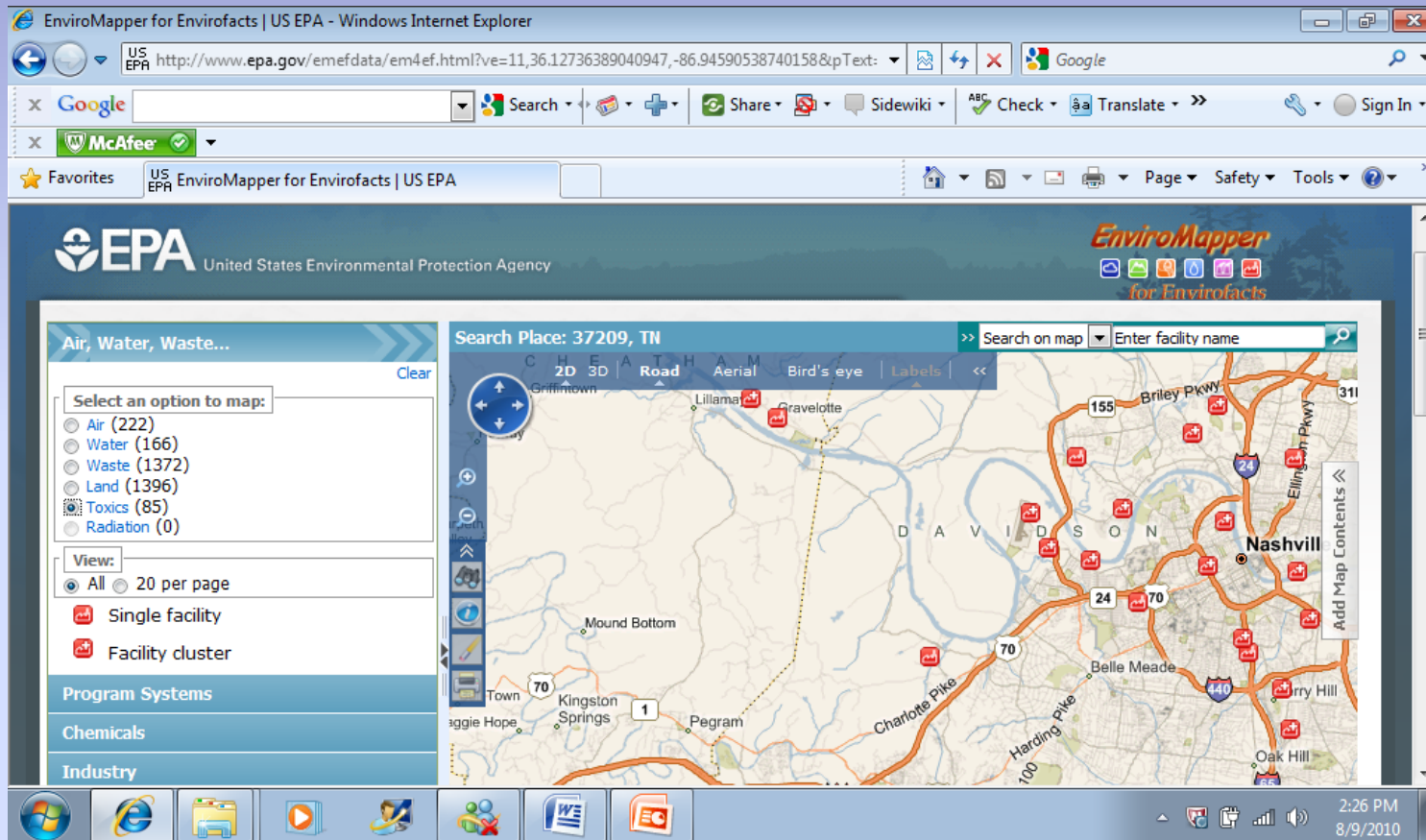
Contact Us | About EPA | Careers | FAQs | Newsroom | Blog | Privacy ; Security
Inspector General | Budget ; Performance | No Fear Act | FOIA | Accessibility
USA.gov | White House | Regulations.gov | Pandemicflu.gov | EPA ; Pandemic Flu

Widgets | RSS News Feeds
Podcasts | News by Email

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

2:23 PM 8/9/2010

Under the Air, Water, and Waste tab, select **Toxics**, wait for the map to load the new data.



Scroll to the bottom of the page, and click **Aladdin Industries Incorporated.**

The screenshot shows a web browser window with the following details:

- Browser: Windows Internet Explorer
- Title: EnviroMapper for Envirofacts | US EPA
- Address Bar: <http://www.epa.gov/emefdata/em4ef.html?ve=11,36.12736389040947,-86.94590538740158&pText:>
- Page Content: A table listing industrial plants with 'View Report' links.

PLANT	FRS	ECHO	View Report	View Report	View Report	View Report
481 ALLIED DRIVE NASHVILLE, TN 37211						
ADVANCED PLATING INC	FRS	ECHO	View Report	View Report	View Report	View Report
1425 COWAN CT. NASHVILLE, TN 37207						
AFL WIRE PRODUCTS DIXIE WIRE	FRS	ECHO	View Report	View Report	View Report	View Report
5901 CALIFORNIA AVENUE NASHVILLE, TN 37209						
AFL WIRE PRODUCTS DIXIE WIRE	FRS	ECHO	View Report	View Report	View Report	View Report
900 63RD AVENUE NORTH NASHVILLE, TN 37209						
ALADDIN INDUSTRIES INCORPORATED	FRS	ECHO	View Report	View Report	View Report	View Report
703 MURFREESBORO ROAD NASHVILLE, TN 37210						
ALADDIN TEM-RITE, LLC	FRS	ECHO	View Report	View Report	View Report	View Report
1124 MENZLER ROAD NASHVILLE, TN 372104677						
ALUMANODICS INC	FRS	ECHO	View Report	View Report	View Report	View Report
1417 POPLAR LANE NASHVILLE, TN 372104519						
APAC TENNESSEE INCORPORATED						

The Multisystem report is generated for Aladdin Industries Inc.

The screenshot displays a Windows Internet Explorer browser window with the following elements:

- Address Bar:** http://oaspub.epa.gov/enviro/multisys2.get_list?faci
- Page Title:** EPA | Envirofacts Warehouse | ENVIROFACTS - Windows Internet Explorer
- Navigation:** Back, Forward, Home, Stop, Refresh, Print, Page, Safety, Tools, Sign In.
- Search:** Search bar with "All EPA" and "This Area" radio buttons, and a "Go" button.
- Breadcrumbs:** You are here: [EPA Home](#) » [Envirofacts](#) » [Multisystem](#) » Report
- Logo:** U.S. ENVIRONMENTAL PROTECTION AGENCY logo.
- Section Header:** **Envirofacts Data Warehouse**
- Sub-Header:** **MultiSystem Report**
- Facility Information:**
 - ALADDIN INDUSTRIES INCORPORATED**
 - 703 MURFREESBORO ROAD**
 - NASHVILLE, TN 37210**
- Buttons:** "Map this facility" and "EPA Facility Information".
- Text:** "This query was executed on AUG-09-2010"
- Footer:** **Toxic Releases for Reporting Year 1000**

The left sidebar of the browser shows a list of facilities with details such as "PLANT", "FRS", "ECHO", and addresses. The bottom of the image shows the Windows taskbar with the Start button, Internet Explorer icon, and system tray showing the time as 2:29 PM on 8/9/2010.

The types of pollutants being released is described in the report.

EPA | Envirofacts Warehouse | ENVIROFACTS - Windows Internet Explorer

US EPA http://oaspub.epa.gov/enviro/multisys2.get_list?facility_uin=110000371053

Google

Google Search Share Sidewiki Check Translate Sign In

McAfee

Favorites EPA | Envirofacts Warehouse | ENVIROFACTS

Home RSS Print Page Safety Tools

Toxic Releases for Reporting Year 1999

TRI FACILITY ID: 37210LDDNN703MU

SIC Codes for 1999

<u>SIC CODE</u>	<u>SIC CODE DESCRIPTION</u>
3085	PLASTICS BOTTLES
3499	FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED
3469	METAL STAMPINGS, NOT ELSEWHERE CLASSIFIED
3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING
3086	PLASTICS FOAM PRODUCTS
3089	PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED

The current TRIS database does not have chemical release data for reporting year 1999.

Additional links for TRI:

This information resource is not maintained, managed, or owned by the Environmental Protection Agency (EPA) or the Envirofacts Support Team. Neither the EPA nor the Envirofacts Support Team is responsible for their content or site operation. The Envirofacts Warehouse provides this

2:30 PM 8/9/2010

Other detailed information is provided in the report as well. It includes, but is not limited to Air Program info, and Pollutant info, and AFS data.

EPA | Envirofacts Warehouse | ENVIROFACTS - Windows Internet Explorer

US EPA http://oaspub.epa.gov/enviro/multisys2.get_list?facility_uin=110000371053

Google

McAfee

US EPA | Envirofacts Warehouse | ENVIROFACTS

AFS Information

Operating Status:	X	HPV Flag:	
Operating Status Description:	PERMANENTLY CLOSED	State Registration Number:	
State County Compliance Source:	4703700143	Government Facility Code Description:	PRIVATELY OWNED/OPERATED
Region Code:	04	Class Code:	SM
Primary SIC Code:	3079	Class Code Description:	POT EMISSIONS BELOW MAJR
Primary SIC Description:	MISCELLANEOUS PLASTICS PR	Compliance Status:	9
NAICS Code:		Compliance Status Description:	IN COMPLIANCE - SHUT DOWN
NAICS Code Description:		Date Plant Information Last Updated:	04/10/2008

Air Program Information

Air Program Code	Air Program Description	Air Program Status	Air Program Status Description	Air Program Subpart	Air Program Subpart Description	Class Code	Class Code Description	Compliance Status	Compliance Status Description
0	SIP	X	PERMANENTLY CLOSED			SM	POT EMISSIONS BELOW MAJR	9	IN COMPLIANCE - SHUT DOWN

Pollutant Data

Air Program Code	Pollutant Code / CAS Number	Pollutant / CAS Description	Attain Indicator	Attain Indicator Description	Pollutant Compliance Status	ES Pollutant Compliance Description	Pollutant Class Code	Pollutant Class Description
------------------	-----------------------------	-----------------------------	------------------	------------------------------	-----------------------------	-------------------------------------	----------------------	-----------------------------

2:32 PM
8/9/2010

The presentation will focus on searches that access the My Environment database.

A simple tutorial of the basics on the website

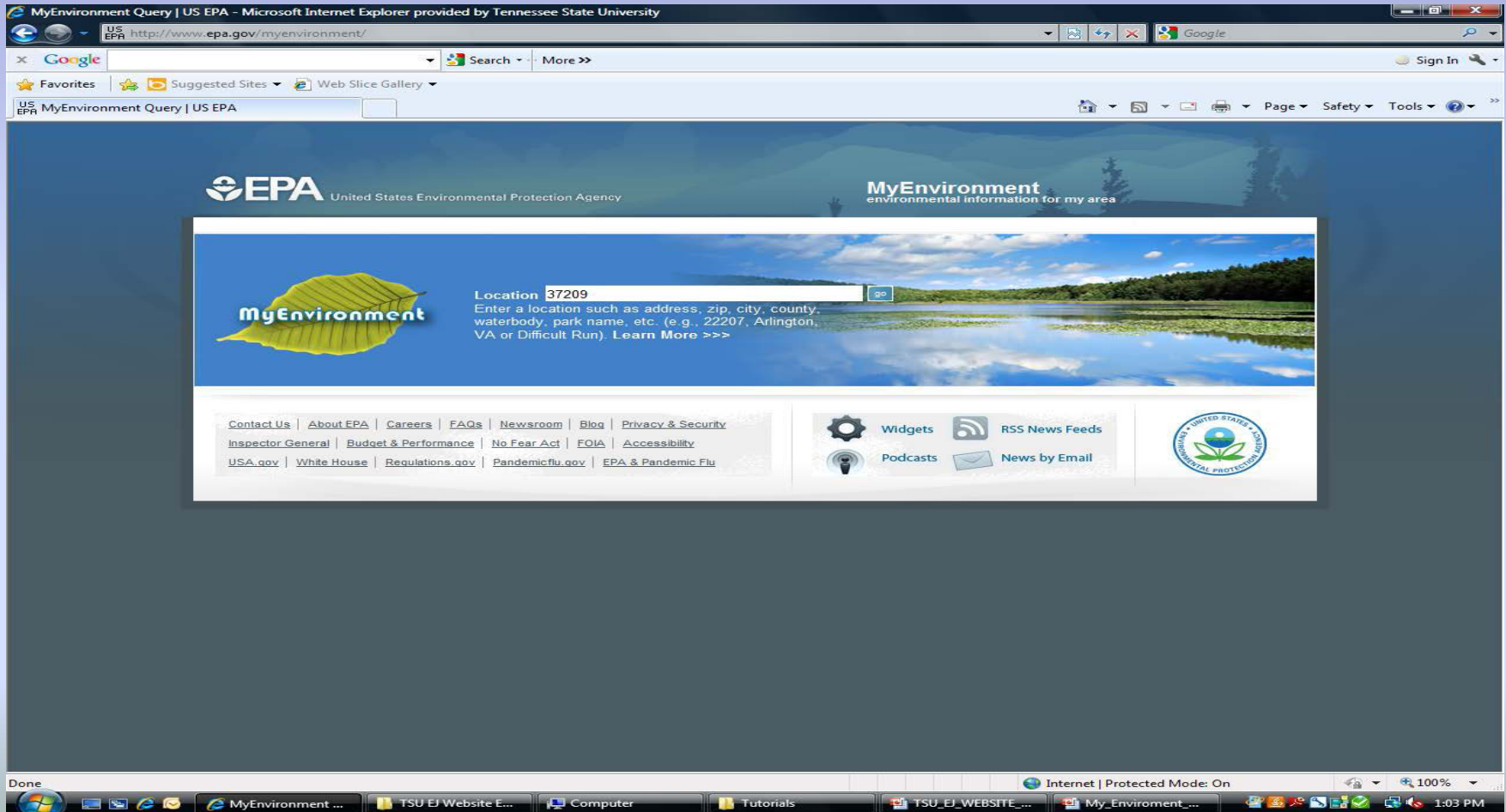
All of the demonstrations that you see will begin at the My Environment Homepage
<http://www.epa.gov/epahome/commsearch.htm>

My Environment Tutorial

Step by Step Instructions

- 1.) From the My Environment homepage, enter **37209** for the zip code, then click submit.
- 2.) From the HOMEPAGE, click on the **WATER** icon on the top, right side of the page.
- 3.) Scroll to the middle of the page to look for the **Water Conditions** section.
- 4.) Under the Water Conditions section, click on the **MAP** to receive more information.
- 5.) In the drop down box, select **LOWER CUMBERLAND**, then click **GO**.
- 6.) This is the list of all the watersheds in the Lower Cumberland area, click on **ANTIOCH CREEK**.
- 7.) This shows the Water Quality Assessment Status from 2008 on the Antioch Creek Watershed.

From the My Environment homepage, enter **37209** for the zip code, then click submit.



Scroll to the middle of the page to look for the **Water Conditions** section.

The screenshot shows a web browser window displaying the 'MyWater for 37209, TN' website. The page features a navigation bar with icons for home, weather, water, recycling, and other services. The main content area is divided into several sections:

- Water Quality Assessment:** Includes a 'Clear selection' dropdown, a 'Q&A on water quality assessment' link, and a link to 'Check out EPA's latest mapping tool for more water information'.
- Water Quality Monitoring:** Describes the importance of monitoring water resources. A table shows results found in a percentage of stations:

	Results Found In (# of stations)(% of stations)*
Metal	37 34.3
Microbiological	71 65.7

* Percentage of area stations at which the sampling was taken.

- Drinking Water Sources:** Provides information about public water systems and EPA regulations. Includes a 'View Local Drinking Water Providers' link.
- Fish Advisories:** Offers information about state, tribal, and federal fish consumption advisories. Includes a 'View the fish advisories for your area' link.
- Water Conditions:** View real-time water data from USGS which contains information about streamflow.
- Watersheds:** Click on the map for more info about the watershed: Lower Cumberland-Sycamore, Tennessee. Includes a map of the watershed area.
- Streamflow:** View real-time water data from USGS which contains information about streamflow.
- New/Expiring Permits:** View information on companies which have...

The page also includes a map of Nashville, TN, and a search bar for selecting a new location.

From the HOMEPAGE, click on the **WATER** icon on the top, right side of the page.

The screenshot shows the EPA MyEnvironment website interface. At the top, there is a navigation bar with the EPA logo and the text "United States Environmental Protection Agency". Below this, there are links for "LEARN THE ISSUES | SCIENCE & TECHNOLOGY | LAWS & REGULATIONS | ABOUT EPA". A search bar is located on the right side of the page. In the center, there is a row of navigation icons: Home, Air, Water, Health, Land, Global, Community, and a green icon. A red arrow points to the Water icon. Below the navigation icons, there is a section titled "MyEnvironment for 37209, TN" with a "Select a new Location:" input field and a "Go" button. The main content area features a map of Nashville, TN, with a "View Interactive Map" button. To the left of the map, there are sections for "Find these on the map!" with filters for "Pollutants" and "Industry". Below the map, there are three columns: "MyAir" with a table showing air quality data for Nashville, TN, "MyWater" with information about TMDL Tracking and Implementation System (ATTAINS), and "MyCommunity" with a shout-out section.

MyEnvironment United States Environmental Protection Agency
LEARN THE ISSUES | SCIENCE & TECHNOLOGY | LAWS & REGULATIONS | ABOUT EPA

Advanced Search SEARCH

Contact Us Share

MyEnvironment for 37209, TN

Select a new Location: Go

Find these on the map!

Pollutants
Only show me sites that are emitting/storing/handling this pollutant:
 Go

OR

Industry
Only show me sites that are of this industry classification:
 Go

View Interactive Map

MyAir
The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. [Read More](#)

Location	Current	Forecast
Nashville, TN	Moderate	Good

MyWater
The Assessment Total Maximum Daily Load (TMDL) Tracking and Implementation System (ATTAINS) provides information reported by the states to EPA about the conditions in their surface waters. This information is required every two years under Clean Water Act Sections 305(b) and 303(d). [Read More](#)

MyCommunity
Give a shout out! Tell us what's happening that's good for the environment in your area, and we'll post it here!

There are currently no shout outs in this area. Be the first to [create a shout out](#).

Internet | Protected Mode: On | 100% | 1:12 PM

Under the Water Conditions section, click on the **MAP** to receive more information.

The screenshot shows a web browser window displaying the EPA MyWater website. The page is titled "MyWater | MyEnvironment | US EPA - Microsoft Internet Explorer provided by Tennessee State University". The address bar shows the URL: <http://www.epa.gov/myenv/MyWater.html?minx=-87.28775&miny=36.01356&maxx=-86.52557&maxy=36.29631&ve=10,36.12736,-86.94591&cLat=&cL>. The page content is organized into three main columns:

- Left Column:** Contains a section titled "New/Expiring Permits" with a sub-section "Expiring Permits Facility". It lists several facilities with their addresses, including FAIRVIEW STP, BETHANY HILLS CAMP STP, USA COE J P PRIEST RES ANDERSON, SEVEN POINTS PICNIC AREA, USA COE J P PRIEST RES COOKS P, JPP SEVEN POINTS, ROGERS GROUP, INC., and LOJAC ENTERPRISES, INC. Below this is a "New Permits" section stating "There are no new permits in this area."
- Middle Column:** Titled "Water Conditions", it provides a detailed water quality assessment report for various water bodies. It includes a map of Tennessee with a red dot indicating the location of the assessment. A "More..." link is present below the map.
- Right Column:** Titled "Streamflow", it offers real-time water data from USGS. It includes a map of Tennessee with a legend for streamflow percentiles: High (> 90th percentile), 75th - 89th percentile, 25th - 74th percentile, 10th - 24th percentile, < 10th percentile, Low, and Not marked. A "More..." link is also present.

The browser's taskbar at the bottom shows several open applications: MyEnvironm..., MyWater | M..., TSU EJ Websi..., Computer, Tutorials, TSU_EJ_WEBS..., and My_Envirome... The system clock indicates the time is 1:16 PM.

In the drop down box, select **LOWER CUMBERLAND**, then click **GO**.

The screenshot shows a web browser window displaying the Tennessee Water Quality Assessment Report. The browser's address bar shows the URL: http://iaspub.epa.gov/waters10/attains_index.control?p_area=TN. The website header includes the U.S. Environmental Protection Agency logo and the title "Watershed Assessment, Tracking & Environmental Results". Below the header, there is a search bar and a breadcrumb trail: "You are here: EPA Home » Water » WATERS » Water Quality Assessment and TMDL Information » Tennessee Water Quality Assessment Report".

The main content area is titled "Tennessee Water Quality Assessment Report" and "Assessed Waters of Tennessee by Watershed". It features a map of Tennessee with several watersheds highlighted in orange. A dropdown menu is open, listing various watersheds. The "Lower Cumberland" watershed is selected and highlighted in blue. To the right of the dropdown is a "GO" button. Below the dropdown is a "Search" input field.

On the left side of the page, there is a "Return to home page" link and a section titled "On This Page" with several links: "Tennessee Assessment Summary", "Water Quality by Waterbody Type" (with sub-links for "Rivers and Streams" and "Lakes, Reservoirs, and Ponds"), "Causes of Impairment", "Probable Sources Contributing to Impairments", "TMDL Alternatives by Cause of Impairment", "Previously Impaired Waters Now Attaining All Uses", "Causes of Impairment for 303(d) Listed Waters", "Cumulative TMDLs by Pollutant", and "Cumulative Number of TMDLs". Below this is a link for "303(d) Listed Waters for 2008" and a section for "Data are also available for these cycles: 2002 2004 2006". There is also a "Waterbody Changes from Prior Cycle" link and a "For More Information:" section with links to "Tennessee Assessment Report", "State Water Quality Program", and "Download Excel compatible information" and "Download GIS Information".

On the right side, there is a "Frequent Questions" section with several links: "About This Database (Integrated Report)", "Assessing Water Quality (Questions and Answers)", "Integrated Reporting Guidance", "Previous National Water Quality Reports", "EnviroMapper for Water", "AskWATERS", "EPA WATERS Homepage", "Exchange Network", "Assessment Database", and "Statewide Statistical Surveys". There are also links for "Draft statistical survey web report" and "Demo of statistical survey template (mpag4, 101MB zipped)".

At the bottom of the page, there is a section titled "Site-specific Targeted Monitoring Summary Results Tennessee (2008)".

The browser's taskbar at the bottom shows several open applications: "MyEnviron...", "Tennessee W...", "TSU EJ Websi...", "Computer", "Tutorials", "TSU_EJ_WEB...", and "My_Envirom...". The system clock shows the time as 1:26 PM.

This is the list of all the watersheds in the Lower Cumberland area, click on **ANTIOCH CREEK**.

Watershed Quality Assessment Report | WATERS | US EPA - Microsoft Internet Explorer provided by Tennessee State University

US EPA http://iaspub.epa.gov/tmdl_waters10/attains_watershed.control

Google Search

U.S. ENVIRONMENTAL PROTECTION AGENCY

Watershed Assessment, Tracking & Environmental Results

Recent Additions | Contact Us Search: All EPA This Area Go

You are here: EPA Home » Water » WATERS » Water Quality Assessment and TMDL Information » Watershed Quality Assessment Report

Return to home page

On This Page

- Assessment Summary
- Causes of Impairment
- Probable Sources Contributing to Impairment
- TMDL Alternatives by Cause of Impairment
- Cumulative TMDLs by Pollutant

Tennessee State Report

Other states that contain this watershed:

[Kentucky, Lower Cumberland Watershed](#)

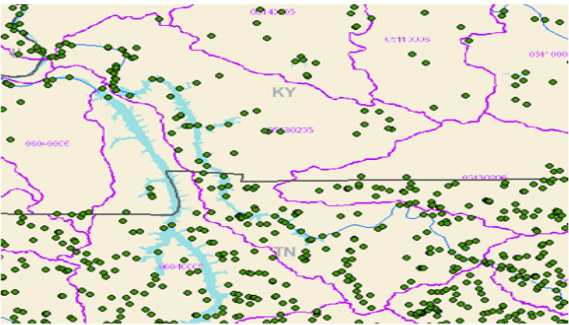
For More Information:

[Download Excel compatible information](#)

[Download GIS Information](#) (Internet Explorer only)

[Water Quality Data Available for this Watershed](#)

Tennessee, Lower Cumberland Watershed



Click on the watershed for an interactive map

Search for a waterbody within Lower Cumberland

Enter Waterbody Name:

Search

Assessment Summary for Reporting Year 2008
Tennessee, Lower Cumberland Watershed

[Description of this table](#)

Click here to list [Threatened and Impaired Waters Only](#)

NOTE: Click on the underlined "Waterbody Name" to view a Waterbody report.

<u>Waterbody Name</u>	<u>Waterbody ID</u>	<u>Location</u>	<u>Map</u>	<u>Waterbody Type</u>	<u>Size</u>	<u>Units</u>	<u>Status</u>	<u>State TMDL Development Status</u>
Antioch Creek	TN05130205015T_1910	Antioch Creek From Budds Creek To Headwaters. Ecoregion 71f Montgomery County	Waterbody Map	River	15.8	Miles	Impaired	TMDL needed
Baggett Branch	TN05130205020_0200	Baggett Branch From East Fork Yellow Creek To Headwaters.	Waterbody	River	6.3	Miles	Good	

Internet | Protected Mode: On

100%

My Environmen... Watershed Qua... TSU EJ Website ... Computer Tutorials TSU_EJ_WEBSITE... My_Enviromen...

This shows the Water Quality Assessment Status from 2008 on the Antioch Creek Watershed.

Waterbody Quality Assessment Report | WATERS | US EPA - Microsoft Internet Explorer provided by Tennessee State University

US EPA http://iaspub.epa.gov/tmdl_waters10/attains_waterbody.control?p_list_id=&p_au_id=TN05130205015T_1910&p_cycle=2008&p_state=TN

Waterbody Quality Assessment Report | WATERS ...

Water Quality Assessment Status for Reporting Year 2008

The overall status of this waterbody is Impaired.

[Description of this table](#)

Designated Use	Designated Use Group	Status
Fish And Aquatic Life	Fish, Shellfish, And Wildlife Protection And Propagation	Impaired
Irrigation	Agricultural	Good
Livestock Watering And Wildlife	Agricultural	Good
Recreation	Recreation	Not Assessed

Top of page

Causes of Impairment for Reporting Year 2008

[Description of this table](#)

Cause of Impairment	Cause of Impairment Group	Designated Use(s)	State TMDL Development Status
Alteration in Stream-Side or Littoral Vegetative Covers	Habitat Alterations	Fish And Aquatic Life	TMDL needed
Physical Substrate Habitat Alterations	Habitat Alterations	Fish And Aquatic Life	TMDL needed
Sedimentation/Siltation	Sediment	Fish And Aquatic Life	TMDL needed

Top of page

Probable Sources Contributing to Impairment for Reporting Year 2008

[Description of this table](#)

Probable Source	Probable Source Group	Cause(s) of Impairment
Grazing In Riparian Or Shoreline Zones	Agriculture	Alteration in Stream-Side or Littoral Vegetative Covers; Sedimentation/Siltation
Non-Irrigated Crop Production	Agriculture	Physical Substrate Habitat Alterations; Sedimentation/Siltation

Top of page

TMDLs That Apply to this waterbody

Internet | Protected Mode: On

Waterbody Quality ... TSU EJ Website EPA... Computer Tutorials TSU_EJ_WEBSITE_O... My_Enviroment_TU...

1:34 PM

The presentation will focus on searches that access the Score Card database.

A simple tutorial of the basics on the website

All of the demonstrations that you see will begin at the Score Card Homepage
<http://www.scorecard.org/>

Score Card Tutorial

Step by Step Instructions

- 1.) Start at the Score Card Homepage, enter the zip code **37209** for Davidson county in Tennessee. Then click, **GET REPORT**.
- 2.) Scroll to the bottom of the Pollution Report Card .
- 3.) At the bottom of the report card, in the Environmental Justice section, click **Compare this community to others** .
- 4.) In the Input Home Zip Code section, enter **37209**. Scroll down a little, in the Input up to four more zip codes section , enter **37086** for Rutherford county in Tennessee. Then click **SUBMIT**.
- 5.) For Zip Code 37086, select, Rutherford County.
- 6.) The Pollution Locator page gives all the details on toxins in both Davidson and Rutherford counties in TN .

Start at the Score Card Homepage, enter the zip code
37209 for Davidson county in Tennessee.
Then click, **GET REPORT**

Scorecard Home - Windows Internet Explorer

http://www.scorecard.org/index.tcl

Scorecard
THE POLLUTION INFORMATION SITE

Investigate Pollution Topics

TOXICS

- ▶ Toxic Chemical Releases
- ▶ Lead Hazards
- ▶ Superfund

AIR

- ▶ Smog and Particulates
- ▶ Hazardous Air Pollutants

WATER

- ▶ Clean Water Act
- ▶ Watershed Indicators

AGRICULTURE

Pollution in Your Community

Get an in-depth pollution report for your county, covering air, water, chemicals, and more.

Your Zip Code: **GET REPORT**

More Facts on Pollution

Get answers to the most commonly asked questions on nationwide pollution.

Who's polluting?

What pollutants do the most harm?

Where is the worst pollution?

USE THIS INFORMATION

Learn how Scorecard visitors [use this information](#) to protect and educate their communities.

WAYS YOU CAN HELP

- ▶ [Tell EPA not to weaken pollution reporting!](#)
- ▶ [Email this page](#) to a friend.
- ▶ Sign up for email updates.

Your Email Address:

Scroll to the bottom of the Pollution Report Card

The screenshot shows a Windows Internet Explorer browser window displaying the Scorecard website. The address bar shows the URL: http://www.scorecard.org/community/index.tcl?zip_code=37209&set_community_zipcode_cookie. The page title is "About Your Community - Windows Internet Explorer".

The website header features the "Scorecard" logo and the tagline "THE POLLUTION INFORMATION SITE". A navigation menu on the left includes "Investigate Pollution Topics" with sub-sections for TOXICS, AIR, WATER, and AGRICULTURE. The main content area is titled "POLLUTION REPORT CARD" and displays the following information:

- Your Zip Code: 37209** **Your Community: DAVIDSON County**
- TOXICS**
- Toxic Chemicals Released by Factories, Power Plants and Other Industrial Companies**
In 2002, this county ranked among the dirtiest/worst 10% of all counties in the U.S. in terms of ozone depleting potential.
 - [See how your county stacks up](#) against all others in the U.S.
 - Get a list of:
 - [the top polluters](#) in your county
 - [the top chemicals](#) released in your county
 - [Learn more](#) about pollution from industrial facilities in your community.
- Lead Hazards**

The Windows taskbar at the bottom shows the system clock as 1:40 PM on 8/4/2010.

At the bottom of the report card, in the Environmental Justice section, click **Compare this community to others**

About Your Community - Windows Internet Explorer

http://www.scorecard.org/community/index.tcl?zip_code=37209&set_community_zipcode_cookie...

Google

Search

Share

Sidewiki

Check

Translate

Sign In

McAfee

Favorites

About Your Community

Home

Page

Safety

Tools

How Clean is the Water in Your Lakes and Rivers?

- [See how your county's water quality stacks up](#) against others in the U.S.
- Learn more about [Clean Water Act compliance](#) and [watershed health](#) in your community.
- See [how many tons of animal waste](#) were generated in your county.
- [Get a list of the worst 20 states](#) for animal waste pollution.

[Email to a Friend](#)

ENVIRONMENTAL JUSTICE

Low-income communities and communities of color may suffer greater impacts from environmental degradation than other groups.

- View the [environmental justice report](#) for DAVIDSON County ([en español](#)).
- [Locate polluters](#) and see how close they are to your home or workplace.
- [Compare this community to others](#) by entering zip codes.

[Email to a Friend](#)

DO MORE

- [Send a message](#) to the top polluters in your area by faxing or phoning them.
- [Tell EPA](#) not to weaken pollution reporting!

1:42 PM
8/4/2010

In the Input Home Zip Code section, enter **37209**.
Scroll down a little, in the Input up to four more zip codes section , enter **37086** for Rutherford county in Tennessee. Then click **SUBMIT**.

Submit Zip Codes - Windows Internet Explorer

http://www.scorecard.org/community/cmy-submit.tcl?zip1=37209&fips1=47037

THE POLLUTION INFORMATION SITE

Investigate Pollution Topics

TOXICS

- ▶ Toxic Chemical Releases
- ▶ Lead Hazards
- ▶ Superfund

AIR

- ▶ Smog and Particulates
- ▶ Hazardous Air Pollutants

WATER

- ▶ Clean Water Act
- ▶ Watershed Indicators

AGRICULTURE

- ▶ Animal Waste

ENVIRONMENTAL JUSTICE

- ▶ Community Center

POLLUTION LOCATOR | Scorecard Community Center | Submit Zip Codes

Enter the ZIP CODES of your areas of interest in the boxes below and click "SUBMIT". You will receive instant access to environmental information for your selected areas so that you can compare them in detail.

Input Home Zip Code

1.

Input Up To Four More Zip Codes

2.

3.

4.

5.

SUBMIT

1:48 PM
8/4/2010

For Zip Code 37086, select, Rutherford County

Compare Communities - Windows Internet Explorer

http://www.scorecard.org/community/cmy-compare.tcl?zip1=37209&fips1=&zip2=37086&zip3=

Scorecard
THE POLLUTION INFORMATION SITE

Investigate Pollution Topics

- TOXICS**
 - ▶ Toxic Chemical Releases
 - ▶ Lead Hazards
 - ▶ Superfund
- AIR**
 - ▶ Smog and Particulates
 - ▶ Hazardous Air Pollutants
- WATER**
 - ▶ Clean Water Act
 - ▶ Watershed Indicators

POLLUTION LOCATOR | Scorecard Community Center | Compare Communities

Some of your zip codes cross county boundaries. Please pick one county per zip code:

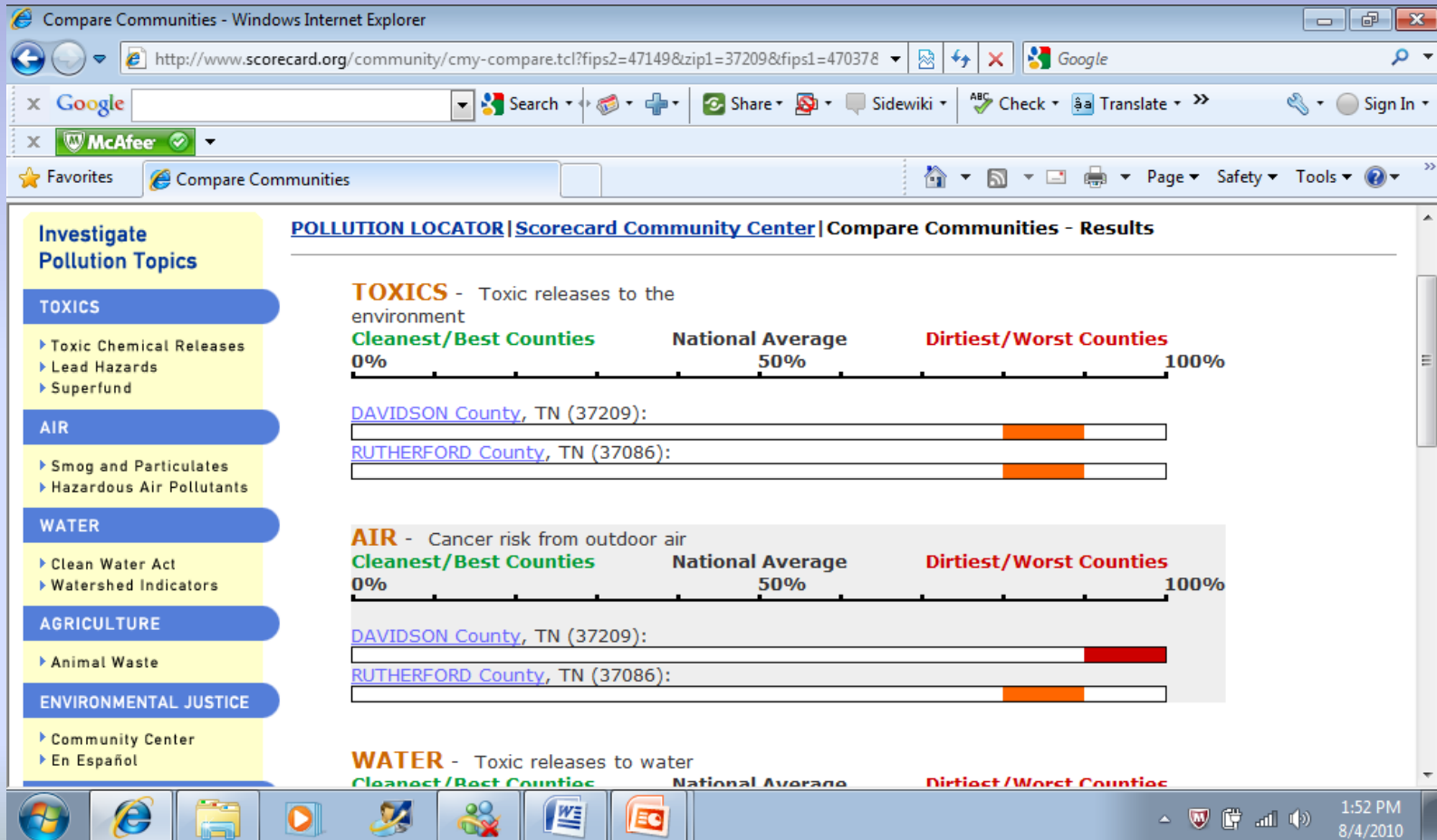
ZIP CODE **37086**:

- DAVIDSON County
- RUTHERFORD County

SUBMIT

Taskbar: 1:50 PM 8/4/2010

The Pollution Locator page gives all the details on toxins in both Davidson and Rutherford counties in TN



The presentation will focus on searches
that access the
ToxMap database.

A simple tutorial of the basics on the website

All of the demonstrations that you see will begin at
the ToxMap Homepage

<http://toxmap.nlm.nih.gov/toxmap/main/index.jsp>

ToxMap Tutorial

Step by Step Instructions

- 1.) From the ToxMap Homepage, in the Quick Search section, make sure **Superfund NPL** is the only box selected.
- 2.) In the same Quick Search box, select **TN** for the state, then click **SEARCH**.
- 3.) To the right of the map, in the Map Details box, click on **Superfund Sites Details**.
- 4.) Scroll to the bottom of the page, No. 7 will give information on **Amnicola Dump** in Chattanooga, TN.
- 5.) In the Alphabetical List of Contaminates, click Show ALL.
- 6.) Scroll down, and click **LEAD Contaminate**
- 7.) The ToxMap chemical page for LEAD appears, then click on **Human Health Effects**

From the ToxMap Homepage, in the Quick Search section, make sure **Superfund NPL** is the only box selected.

The screenshot shows the ToxMap website in a Windows Internet Explorer browser window. The address bar displays <http://toxmap.nlm.nih.gov/toxmap/main/index.jsp>. The page header includes the NLM logo and the text "United States National Library of Medicine" and "TOXMAP® Environmental Health e-Maps". A navigation menu contains links for Home, TRI Facilities, TRI Releases, TRI Trends, Superfund, Combo, Search, and Help. Below this is a secondary menu with Welcome, News, Accessibility, Fact Sheet, For Teachers, Tour, About, and Site Map. The main content area features a "Quick Search" section on the left with the following options:

- Select Dataset(s):
 - TRI
 - Superfund NPL
- Chemical Name:
- City:
- State: ZIP [Lookup]:
- Buttons: Search, Clear
- Links: Choose a region..., More search options..., Search TOXNET@TRI

The central part of the page displays a map of the United States with numerous blue and red dots representing toxic release and hazardous waste sites. To the right of the map, there is a "Find Toxic Releases & Hazardous Waste Sites" section with a "GO" button and a "More info" link. Below this, there are links for "Try the TOXMAP Widget", "Updated Superfund, NCI Mortality data", and "Try the TOXMAP Toolbar". At the bottom right, there is a "Subscribe to TOXMAP news feed" link and a section titled "Environmental News from EPA:" with a link to "EPA Removes Morris County Site From Superfund National". The Windows taskbar at the bottom shows the system clock as 11:45 AM on 8/4/2010.

In the same Quick Search box,
select **TN** for the state,
then click **SEARCH**.

TOXMAP - TRI and Superfund Environmental Maps - Windows Internet Explorer

http://toxmap.nlm.nih.gov/toxmap/main/startOver.do

United States National Library of Medicine

TOXMAP[®]
Environmental Health e-Maps

Home TRI Facilities TRI Releases TRI Trends Superfund Combo Search Help Contact Us

Welcome News Accessibility Fact Sheet For Teachers Tour About Site Map

Quick Search **TOXMAP:® Environmental Health e-Maps**

Select Dataset(s):
 TRI Superfund NPL

Chemical Name

City

State ZIP [Lookup]
TN

Search Clear

Choose a region...
More search options...
Search TOXNET® TRI

Use Quick Search or click on a map to explore on-site toxic releases and hazardous waste sites from the EPA's [Toxics Releases Inventory \(TRI\)](#) and the [Superfund National Priorities List \(NPL\)](#).

Find Toxic Releases & Hazardous Waste Sites
Enter your ZIP:
GO
More info

Try the TOXMAP Widget

- Updated Superfund, NCI Mortality data
- Try the TOXMAP Toolbar

Subscribe to TOXMAP news feed

Environmental News from EPA:

- EPA Removes Morris County Site From Superfund National

12:16 PM
8/4/2010

This page shows all the Superfund NPL sites in the state of Tennessee, as well as sites in other neighboring states as well.

The screenshot displays the Superfund Map website in a Windows Internet Explorer browser. The address bar shows the URL <http://toxmap.nlm.nih.gov/toxmap/main/quickSearch.do>. The page header includes the NLM logo and the text "TOXMAP Environmental Health e-Maps". Navigation tabs include Home, TRI Facilities, TRI Releases, TRI Trends, Superfund, Combo, Search, and Help. A secondary navigation bar contains Search, All NPL, NPL Final, NPL Deleted, NPL Proposed, Set Region, Other Data, and Download. The main content area shows "Search Results" for "All Superfund NPL Sites: All Chemicals". A map of the United States is centered on Tennessee, with red squares indicating Superfund sites. Neighboring states shown include Illinois, Indiana, Kentucky, Missouri, Arkansas, West Virginia, Virginia, and North Carolina. Major cities like Louisville, Lexington-Fayette, Nashville, and Knoxville are labeled. The left sidebar offers "Map Other Data" (US Census, Income, Health, Reference) and "Superfund Information" (EPA, NIEHS, CDC). The right sidebar has "MAP DETAILS" with a link to "Superfund sites details". The Windows taskbar at the bottom shows the system clock as 12:23 PM on 8/4/2010.

To the right of the map, in the Map Details box, click on **Superfund Sites Details**.

Superfund Map - Windows Internet Explorer

http://toxmap.nlm.nih.gov/toxmap/main/quickSearch.do

United States National Library of Medicine
TOXMAP[®]
Environmental Health e-Maps

Home TRI Facilities TRI Releases TRI Trends **Superfund** Combo Search Help Contact Us

Search All NPL NPL Final NPL Deleted NPL Proposed Set Region Other Data Download

Start over Search Results [Edit Search] [Save Results] [Superfund] Start over

Current State Air Quality All Superfund NPL Sites: All Chemicals

Superfund - Map shows 79 of 1,673 NPL sites nationwide. View in: Google maps Google earth Print this map

Map Other Data

- US Census Data
- Income Data
- Health Data
- Reference Data

Superfund Information

- EPA Superfund
- NIEHS Superfund
- CDC Hazardous Waste Sites

Health Risk Information

- CDC ToxFAQs
- NJ Hazardous Substance Fact Sheets

MAP DETAILS

[Superfund sites details](#)

Click on the link above to see details for this map.

12:23 PM 8/4/2010

Scroll to the bottom of the page, No. 7 will give information on **Amnicola Dump** in Chattanooga, TN. This is a major dumping site, where the fed. gov't plans to clean the hazardous waste dump.

The screenshot shows a Windows Internet Explorer browser window displaying the Superfund Map website. The address bar shows the URL: <http://toxmap.nlm.nih.gov/toxmap/superfund/identifyAll.do>. The page content is as follows:

[Show All](#)

7. AMNICOLA DUMP EPA ID Number: TND980729172 [top](#)
AMNICOLA HWY Latitude: 35° 3' 45" N
CHATTANOOGA, TN 37406 Longitude: 85° 16' 35" W
[Google Maps](#)
Status: NPL Deleted (4/30/1996) Hazard Ranking System (HRS) Score: 40.91 (max. 100)

Alphabetical List of Contaminants
Arsenic
Barium
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzoflanthracene
Show All

Information about this site or state:

- [EPA Progress profile](#)
- [EPA Contaminants list](#)
- [CDC/ATSDR Public Health Assessments and Health Consultations](#)

8. ANNISTON ARMY DEPOT (SOUTHEAST INDUSTRIAL AREA) EPA ID Number: AL3210020027 [top](#)
OFF AL HWY 202 Latitude: 33° 39' 34" N
ANNISTON, AL 36253 Longitude: 85° 58' 10" W
[Google Maps](#)
Status: NPL Final (3/13/1989) Hazard Ranking System (HRS) Score: 51.91 (max. 100)

In the Alphabetical List of Contaminates, click Show ALL.

Superfund Map - Windows Internet Explorer

http://toxmap.nlm.nih.gov/toxmap/superfund/identifyAll.do

Google

Search

Share

Sidewiki

Check

Translate

Sign In

McAfee

Favorites

Superfund Map

Home

Page

Safety

Tools

Show All

7. **AMNICOLA DUMP** EPA ID Number: TND980729172 [top](#)
AMNICOLA HWY
CHATTANOOGA, TN 37406
Latitude: 35° 3' 45" N
Longitude: 85° 16' 35" W
Google Maps
Status: NPL Deleted (4/30/1996) Hazard Ranking System (HRS) Score: 40.91 (max. 100)

Alphabetical List of Contaminants

- Arsenic
- Barium
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)anthracene

Show All

Information about this site or state:

- EPA Progress profile
- EPA Contaminants list
- CDC/ATSDR Public Health Assessments and Health Consultations

8. **ANNISTON ARMY DEPOT (SOUTHEAST INDUSTRIAL AREA)** EPA ID Number: AL3210020027 [top](#)
OFF AL HWY 202
ANNISTON, AL 36253
Latitude: 33° 39' 34" N
Longitude: 85° 58' 10" W
Google Maps
Status: NPL Final (3/13/1989) Hazard Ranking System (HRS) Score: 51.91

1:03 PM
8/4/2010

The ToxMap Chemical page appears for the Amnicola Dump.

The image shows two overlapping web browser windows. The background window is titled "Superfund Map - Windows Internet Explorer" and displays a list of Superfund sites. The foreground window is titled "TOXMAP - Superfund Contaminant List - Windows Internet ..." and displays the chemical page for the Amnicola Dump.

7. AMNICOLA DUMP
AMNICOLA HWY
CHATTANOOGA, TN 37406
[Google Maps](#)
Status ⓘ: NPL Deleted (4/30/1996)

Alphabetical List of Contaminants ⓘ

- [Arsenic](#)
- [Barium](#)
- [Benzo\(b\)fluoranthene](#)
- [Benzo\(k\)fluoranthene](#)
- [Benzo\(a\)anthracene](#)
- [Benzo\(a\)pyrene](#)
- [Bis\(2-ethylhexyl\)phthalate](#)
- [Bromodichloromethane](#)
- [Cadmium](#)
- [Caprolactam](#)
- [Chlordane](#)
- [Chloroform](#)
- [Chromium](#)
- [Chrysene](#)
- [Cyanide](#)
- [DDT](#)

TOXMAP Chemical Page
AMNICOLA DUMP
EPA ID: TND980729172

CERCLIS Contaminants:

- [Arsenic](#)
- [Barium](#)
- [Benzo\(b\)fluoranthene](#)
- [Benzo\(k\)fluoranthene](#)
- [Benzo\(a\)anthracene](#)
- [Benzo\(a\)pyrene](#)
- [Bis\(2-ethylhexyl\)phthalate](#)
- [Bromodichloromethane](#)
- [Cadmium](#)
- [Caprolactam](#)
- [Chlordane](#)
- [Chloroform](#)
- [Chromium](#)
- [Chrysene](#)
- [Cyanide](#)
- [DDT](#)

Scroll down, and click **LEAD** Contaminate

The image shows two browser windows from Windows Internet Explorer. The left window, titled 'Superfund Map - Windows Internet Explorer', displays the URL <http://toxmap.nlm.nih.gov/toxmap/superfund/identifyAll.do>. It shows a 'Show All' button and two site entries:

- 7. AMNICOLA DUMP**
AMNICOLA HWY
CHATTANOOGA, TN 37406
[Google Maps](#)
Status: NPL Deleted (4/30/1996)
- 8. ANNISTON ARMY DEPOT (SOUTHEAST INDUSTRIAL AREA)**
OFF AL HWY 202
ANNISTON, AL 36253
[Google Maps](#)
Status: NPL Final (3/13/1989)

Below the site entries is an 'Alphabetical List of Contaminants' dropdown menu with the following options: Arsenic, Barium, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)anthracene, and a 'Show All' button.

The right window, titled 'TOXMAP - Superfund Contaminant List - Windows Internet ...', displays the URL http://toxmap.nlm.nih.gov/toxmap/superfund/showAll.jsp?epa_id=TND98C. It shows a list of contaminants with 'Lead' highlighted. The list includes: Chlordane, Chloroform, Chromium, Chrysene, Cyanide, DDT, Dibenzo(a,h)Anthracene, Dibutyl phthalate, Dieldrin, Ethyl ether, Heptachlor, Indeno(1,2,3-cd)pyrene, Lead, Lindane, Mercury, Nickel, PAH, PCBs, and Total PAHs. Below the list are links for 'EPA Contaminants list' and 'close'. At the bottom of the window, it says 'US National Library of Medicine, National Institutes of Health'.

The ToxMap chemical page for LEAD appears, then click on **Human Health Effects**

The screenshot displays two overlapping browser windows. The foreground window is titled "Lead - TOXMAP - Windows Internet Explorer" and shows the URL <http://toxmap.nlm.nih.gov/toxmap/main/chemPage.jsp?chem=Lead>. The page content includes the NLM and TOXMAP logos, the chemical name "Lead (RN: 7439-92-1)", and a "Chemical Information" section. This section contains two lists of search options: "NLM Searches of" and "CDC Searches of". A red arrow points to the "Human Health Effects" link in the NLM list. The background window is titled "Superfund Contaminant List - Windows Internet Explorer" and shows a list of contaminants including Anthracene, Malate, and 3-cd)pyrene.

TOXMAP Chemical Page

Lead (RN: 7439-92-1)

Chemical Information

NLM Searches of

- [Toxicology Databases](#)
- [Human Health Effects](#)
- [Manufacturing/Use Information](#)
- [Environmental Fate and Exposure](#)
- [Occupational Exposure](#)
- [MedlinePlus®](#)

CDC Searches of

- [Toxicology FAQ](#)
- [Health Assessments](#)
- [All CDC Documents](#)

• [More Information](#)

The Human Health Effects for LEAD are given, along with many other details about how the contaminate affects the human body.

The image displays two overlapping web browser windows from the National Library of Medicine (NLM) database. The left window, titled "Lead - TOXMAP - Windows Internet Explorer", shows the "TOXMAP Chemical Page" for Lead (RN: 7439-92-1). It features a sidebar with "NLM Searches of" and "CDC Searches of" sections, including links for "Human Health Effects", "Manufacturing/Use Information", "Environmental Fate and Exposure", "Occupational Exposure", "MedlinePlus", "Toxicology Databases", "Toxicology FAQ", "Health Assessments", and "All CDC Documents". The right window, titled "LEAD, ELEMENTAL - National Library of Medicine HSDB Database - Windows Internet Explorer", shows the "LEAD, ELEMENTAL" record (CASRN: 7439-92-1). It includes a navigation menu with buttons for "Download", "Basic Search", "Details", "Other Files", "Modify Search", "Limits", "Browse Index", and "Help". The main content area contains a description: "This record contains information for lead in its zero valence state only. For general toxicity and environmental fate of lead ions and lead compounds, refer to the LEAD COMPOUNDS record; for compound-specific information, to the appropriate individual record, e.g., lead iodide, lead phosphate, etc." Below this, it says "For other data, click on the Table of Contents" and "Human Health Effects:". A table of contents is partially visible at the bottom of the right window, listing categories like "Human Toxicity Ex...", "Medical Surveillanc...", "Populations at Spec...", "Probable Routes of...", "Emergency Medical T...", "Animal Toxicity Studi...", "Metabolism/Pharmac...", "Pharmacology", "Environmental Fate &...", "Environmental Stand...", "Chemical/Physical P...", "Chemical Safety & H...", "Occupational Exposur...", "Manufacturing/Use I...", and "Laboratory Methods...".

The presentation will focus on searches that access the TRI database using TRI Explorer.

A simple tutorial of the basics on the website

All of the demonstrations that you see will begin
at the TRI Homepage

<http://www.epa.gov/tri/>

TRI Explorer Tutorial

Step by Step Instructions

- 1.) From the TRI Homepage select **Data/Tools**
- 2.) From the TRI Data/ Tools Homepage select **TRI Explorer**
- 3.) TRI Explorer page under Chemical Report, you can see that **Chemicals** is highlighted in red.
- 4.) Under geographic location, click the down arrow and then choose **Select a state or county.**
- 5.) For this demonstration, choose **California** and **Select from List of Counties** button
- 6.) For this demonstration, choose **Imperial**, then click on the **Generate Report** Button
- 7.) TRI Explorer will display a report in the form of a table.

TRI Explorer page under Chemical Report, you can see that **Chemicals** is highlighted in red. Always start from left to right when conducting a TRI Explorer search.

The screenshot shows the EPA TRI Explorer website in a Windows Internet Explorer browser. The address bar shows the URL <http://www.epa.gov/triexplorer/>. The page header includes the U.S. Environmental Protection Agency logo and the title "TRI Explorer". Below the header, there is a search bar with the text "Search: All EPA This Area" and a "Go" button. The breadcrumb trail reads "You are here: EPA Home » TRI » TRI Explorer(ver 5.01) » Reports".

Chemical Report

Detail columns in online reports are collapsed by default (Feature not in Trends Reports). Click the icon to view additional columns. Use your Browser back feature to collapse. Alternately you can select / deselect desired columns from this screen.

[Hints for First-time users](#) [Assumptions used in the analysis](#)
[This site uses pop-up windows, click here for help on allowing pop-ups from this site](#) [Preliminary Data](#) [Go To New Report](#)

Navigation tabs: [About TRI Explorer](#) | [State Fact Sheet](#) | **[Release Reports](#)** | [Waste Transfer Reports](#) | [Waste Quantity Reports](#) | [TRI Program Home](#) | [Tutorial](#)

Reports:

- ▶ Chemical**
- ▶ Facility
- ▶ Federal Facility
- ▶ Trends
- ▶ Geography
- ▶ Industry

Year of Data

2008

Geographic Location

All of United States

Chemical

All chemicals

Report columns to include

Total On-site Disposal or Other Releases

Details

- On-Site Disposal to Class I Wells, RCRA Subtitle C Landfills, and Other On-Site Landfills
- Other On-Site Disposal or Other Releases

The Windows taskbar at the bottom shows the system clock as 8:21 PM on 7/28/2010.

Under geographic location, click the down arrow and then choose **Select a state or county.**

EPA TRI Explorer | US EPA - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.epa.gov/triexplorer/> Go Links >>

U.S. ENVIRONMENTAL PROTECTION AGENCY

TRI Explorer

[Recent Additions](#) | [Contact Us](#) Search: All EPA This Area Go

You are here: [EPA Home](#) » [TRI](#) » [TRI Explorer\(ver 5.01\)](#) » Reports

Chemical Report

Detail columns in online reports are collapsed by default (Feature not in Trends Reports). Click the icon to view additional columns. Use your Browser back feature to collapse. Alternately you can select / deselect desired columns from this screen.

[Hints for First-time users](#) [Assumptions used in the analysis](#)

This site uses pop-up windows, [click here for help on allowing pop-ups from this site](#) [Preliminary Database](#) [Go To New Report](#)

About TRI Explorer State Fact Sheet **Release Reports** Waste Transfer Reports Waste Quantity Reports TRI Program Home Tutorial

Reports:

- ▶ **Chemical**
- ▶ Facility
- ▶ Federal Facility
- ▶ Trends
- ▶ Geography
- ▶ Industry

Maps:

- ▶ Dynamic

Year of Data

2008

Geographic Location

All of United States

Enter a ZIP Code

Select a state or a county

All of United States

Industry

All Industries

Data Set

The default is the current data update (as of February 2010)

Select 2008 PDR data set (frozen on September 17, 2009 and released to the public in December 2009)

Report columns to include

- Total On-site Disposal or Other Releases**
Details
 - On-Site Disposal to Class I Wells, RCRA Subtitle C Landfills, and Other On-Site Landfills
 - Other On-Site Disposal or Other Releases
- Total Off-site Disposal or Other Releases**
Details
 - Off-Site Disposal to Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills
 - Other Off-Site Disposal or Other Releases
- Total On- and Off-site Disposal or Other Releases**
 - CAS Number

For this demonstration, choose **California** and **Select from List of Counties** button

EPA TRI Explorer | US EPA - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address fips=00000&c_tabrpt=1&c_zip=&c_chk0=true&c_chk1=false&c_chk2=false&c_chk3=true&c_chk4=false&c_chk5=false&c_chk6=&c_chk7=&c_chk8=&c_chk9=&c_chk10= Go Links >>

U.S. ENVIRONMENTAL PROTECTION AGENCY

TRI Explorer

[Recent Additions](#) | [Contact Us](#) Search: All EPA This Area Go

You are here: [EPA Home](#) » [TRI](#) » [TRI Explorer\(ver 5.01\)](#) » Reports

Chemical Report

Detail columns in online reports are collapsed by default (Feature not in Trends Reports). Click the icon to view additional columns. Use your Browser back feature to collapse. Alternately you can select / deselect desired columns from this screen.

[Hints for First-time users](#) [Assumptions used in the analysis](#)
[This site uses pop-up windows, click here for help on allowing pop-ups from this site](#) [Preliminary Database](#) [Go To New Report](#)

About TRI Explorer State Fact Sheet **Release Reports** Waste Transfer Reports Waste Quantity Reports TRI Program Home Tutorial

Reports:
▶ **Chemical**
▶ [Facility](#)
▶ [Federal Facility](#)
▶ [Trends](#)
▶ [Geography](#)
▶ [Industry](#)

Maps:
▶ [Dynamic](#)

Year of Data
2008

Geographic Location
California

Chemical
All chemicals

Industry
All Industries

Data Set
The default is the current data update (as of February 2010)
 Select 2008 PDR data set (frozen on September 17, 2009 and released to the public in December 2009)

Report columns to include

Total On-site Disposal or Other Releases
Details
 On-Site Disposal to Class I Wells, RCRA Subtitle C Landfills, and Other On-Site Landfills
 Other On-Site Disposal or Other Releases

Total Off-site Disposal or Other Releases
Details
 Off-Site Disposal to Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills
 Other Off-Site Disposal or Other Releases

Total On-and Off-site Disposal or Other Releases
 CAS Number

start Swivel Pro (E:) EPA TRI Explorer | U... SAMPLE TUTORIAL.ppt SAMPLE TUTORIAL 2... Internet 1:29 PM

For this demonstration, choose **Imperial**,
then click on the **Generate Report** Button

EPA TRI Explorer | US EPA - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address fips=00000&c_tabrpt=1&c_zip=&c_chk0=true&c_chk1=false&c_chk2=false&c_chk3=true&c_chk4=false&c_chk5=false&c_chk6=&c_chk7=&c_chk8=&c_chk9=&c_chk10= Go Links >>

Detail columns in online reports are collapsed by default (Feature not in Trends Reports). Click the icon to view additional columns. Use your Browser back feature to collapse. Alternately you can select / deselect desired columns from this screen.

[Hints for First-time users](#) [Assumptions used in the analysis](#)

[This site uses pop-up windows, click here for help on allowing pop-ups from this site](#) [Preliminary Database](#) [Go To New Report](#)

[About TRI Explorer](#) [State Fact Sheet](#) **[Release Reports](#)** [Waste Transfer Reports](#) [Waste Quantity Reports](#) [TRI Program Home](#) [Tutorial](#)

Reports:

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

Maps:

- ▶ [Dynamic](#)

Year of Data ⓘ
2008

California ⓘ
Glenn
Humboldt
Imperial
Inyo

Chemical ⓘ
All chemicals

Industry ⓘ
All Industries

Data Set ⓘ
The default is the current data update (as of February 2010)
 Select 2008 PDR data set (frozen on September 17, 2009 and released to the public in December 2009)
Generate Report

Report columns to include ⓘ

- Total On-site Disposal or Other Releases**
Details
 On-Site Disposal to Class I Wells, RCRA Subtitle C Landfills, and Other On-Site Landfills
 Other On-Site Disposal or Other Releases
- Total Off-site Disposal or Other Releases**
Details
 Off-Site Disposal to Underground Injection Wells, RCRA Subtitle C Landfills, and Other Landfills
 Other Off-Site Disposal or Other Releases
- Total On-and Off-site Disposal or Other Releases**
 CAS Number

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

start Swivel Pro (E:) EPA TRI Explorer | U... SAMPLE TUTORIAL.ppt SAMPLE TUTORIAL 2... Internet 1:33 PM

TRI Explorer will display a report in the form of a table. It lists all of the TRI reportable chemicals manufactured, processed or otherwise used and released in Imperial County in California.

EPA TRI Explorer Report(COCH) | US EPA - Microsoft Internet Explorer

U.S. ENVIRONMENTAL PROTECTION AGENCY

TRI Explorer

Recent Additions | Contact Us Search: All EPA This Area Go

You are here: EPA Home » TRI » TRI Explorer(ver 5.01) » Reports

Releases: Chemical Report

Detail columns are collapsed by default. Click the icon to view additional columns. Use your Browser back feature to collapse.

Data source: 2008 Data Update as of February 2010 [See Note](#) [Go To New Report](#)

TRI On-site and Off-site Reported Disposed of or Otherwise Released (in pounds), for facilities in All Industries, for All Chemicals, Imperial County, California, 2008

Row #	Chemical	Total On-site Disposal or Other Releases	Total Off-site Disposal or Other Releases	Total On- and Off-site Disposal or Other Releases
1	ALUMINUM (FUME OR DUST)	0	.	0
2	AMMONIA	75,700	0	75,700
3	COPPER	55,139	.	55,139
4	CYANIDE COMPOUNDS	4,800	0	4,800
5	LEAD	30,417	.	30,417
6	LEAD COMPOUNDS	4,084,904	0	4,084,904
7	MERCURY COMPOUNDS	9,121	0	9,121
8	NITRATE COMPOUNDS	150	0	150
9	NITROGLYCERIN	0	0	0
10	PROPYLENE	27	0	27

Done Swivel Pro (E:) EPA TRI Explorer Re... SAMPLE TUTORIAL .ppt SAMPLE TUTORIAL 2... Internet 1:35 PM

4. Thank you for your time and attention.
Questions?



Webinar: Introduction to the Tennessee State University Environmental Justice Community Information Site

<https://sites.google.com/site/ejinfotnstate/>

Facilitator:

Dr. David A. Padgett

Associate Professor of Geography and
Director of the Geographic Information Sciences Laboratory

Tennessee State University

Nashville, Tennessee

dpadgett@tnstate.edu 615-963-5508

