

# Information Resources of the Environmental Protection Agency

**Anthony Holderied**

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U.S. Environmental Protection Agency, Research Triangle Park Library*



# Objectives

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- Describe avenues for publishing official EPA publications and other EPA information
- Discuss the publication process for the Office of Air Quality and Planning Standards (OAQPS)
- Provide an overview of information resources including the National Library Catalog, NSCEP, and EPA.gov
- Describe the EPA National Library Network and its role in providing information

# United States Environmental Protection Agency

- Protecting human health and the environment since 1970!
- Set national standards through research, regulation, and enforcement



**“To protect human health and the environment”**

Research Areas Include:	
Chemical Safety	Homeland Security
Climate Change	Risk Assessment
Ecosystems	Land and Waste Management
Human Health	Water

# EPA Publications

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## EPA Reports

- Official EPA documents including technical, guidance, legislative, and consumer-oriented publications

## Websites

- Information contained within the epa.gov domain

## Databases

- Research-oriented repositories of data pertaining to environmental science and health

## Outreach/Promotional

- Mix of traditional publications and web-based media

# Official EPA Documents

## List of Document Types

Article reprinted from other pub, abstracts, book chapters, presentations	Bound publication (pamphlet, Booklet, Speech, etc.)
Reference (Bibliography, Glossary, Symposium Papers, Training Guides, Telephone Directories, etc.)	Periodical (other than peer reviewed journal), Journal, Newsletters, etc.
Computer (CD-I, CD-ROM, Floppy Diskette, etc.)	Public Comment Draft
Draft	Unpublished
Exhibit, Display, Booth	Report, Symposium Report, Proceedings
Unbound Publication (Fact Sheet, Leaflet, Bulletin, Flyer, Brochure, etc.)	Summary, Research Brief, Conference Summary, Issue Paper
Photograph, Filmstrip, Slide, Poster, etc.	Audio
Peer-reviewed Journal	Internal
Microfilm, Microfiche	Video
Laws	Federal Register

# Official EPA Documents



## Fact Sheet

### What is the Air Quality Flag Program?

The Flag Program uses brightly colored flags based on the U.S. EPA's Air Quality Index (AQI) to notify people and their communities about outdoor air quality conditions. Organizations raise a flag each day that corresponds to their local air quality forecast.

### Why is the Flag Program Important?

The Flag Program creates public awareness of outdoor air quality conditions. People can continue to get plenty of physical activity, while still protecting their health from poor air quality. When air quality is unhealthy, people can modify their activities, or move them inside. Recommendations for outdoor activities on poor air quality days can be found at [www.airnow.gov/flag](http://www.airnow.gov/flag).

### What is the Air Quality Index?

The Air Quality Index is a guide for reporting daily air quality. It uses colors and numbers to show how clean or polluted the air is. EPA uses the Air Quality Index to report ground-level ozone and particle pollution. For each pollutant, EPA has established national standards to protect people's health.

### EPA Flag Program Contact

Donna Rogers  
US Environmental Protection Agency  
Email: [rogers.donna@epa.gov](mailto:rogers.donna@epa.gov)

### What Do The Colors Mean?

The Flag Program uses green, yellow, orange, red and purple flags. These colors correspond to the Air Quality Index.



Green means air quality is good.



Yellow means air quality is moderate.



Orange means air quality is unhealthy for sensitive groups -- people with heart disease or lung disease such as asthma, children & teens, people who are active outdoors, and older adults.



Red means air quality is unhealthy.

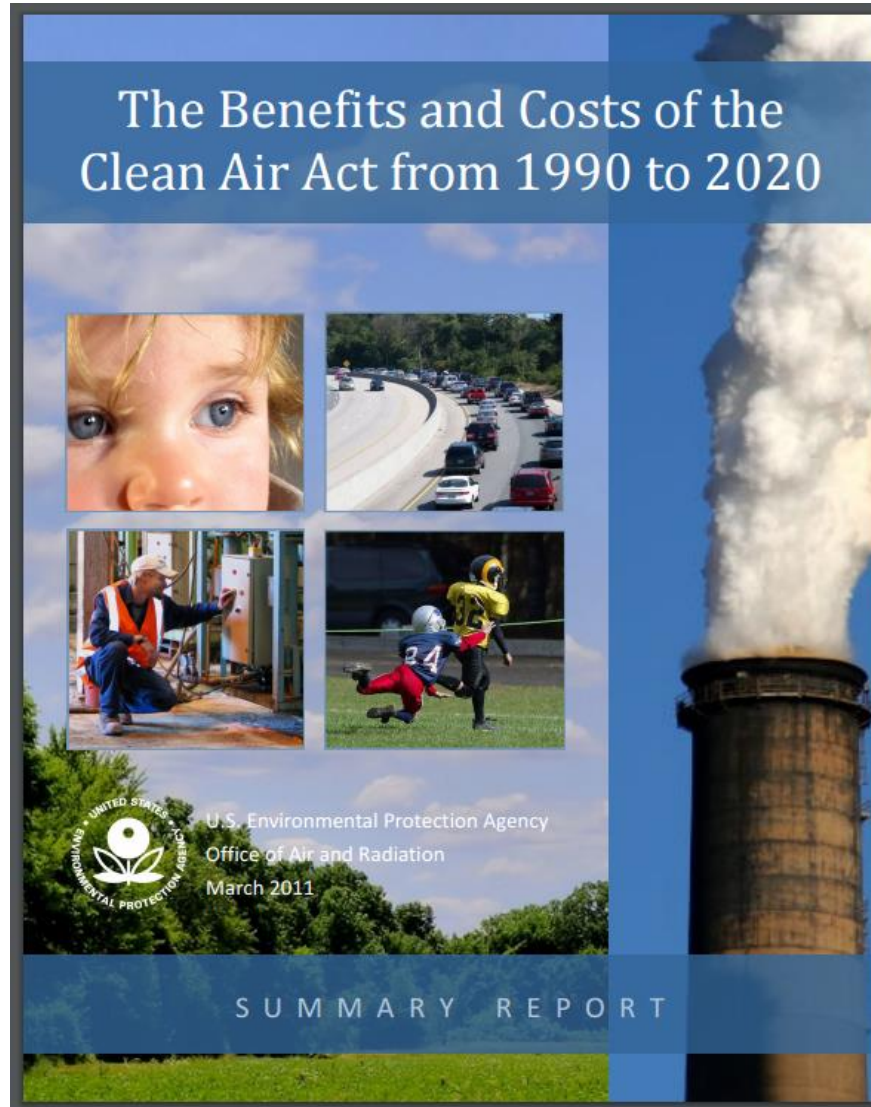


Purple means air quality is very unhealthy.

### How Will I Know What Color Flag To Use?

Check the AQI at [www.epa.gov/airnow](http://www.epa.gov/airnow). Sign up for emails ([www.airnow.gov/enviroflash](http://www.airnow.gov/enviroflash)), download the AirNow app, or install the AirNow widget on your website.

# Official EPA Documents



# Official EPA Documents

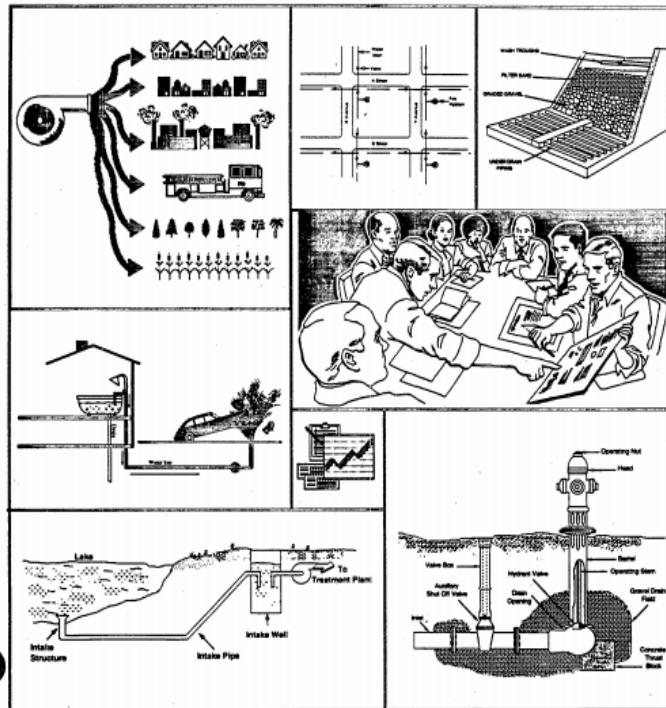
United States  
Environmental Protection  
Agency

Office of Water  
(WH-550)

EPA 810-B-92-016  
December 1992

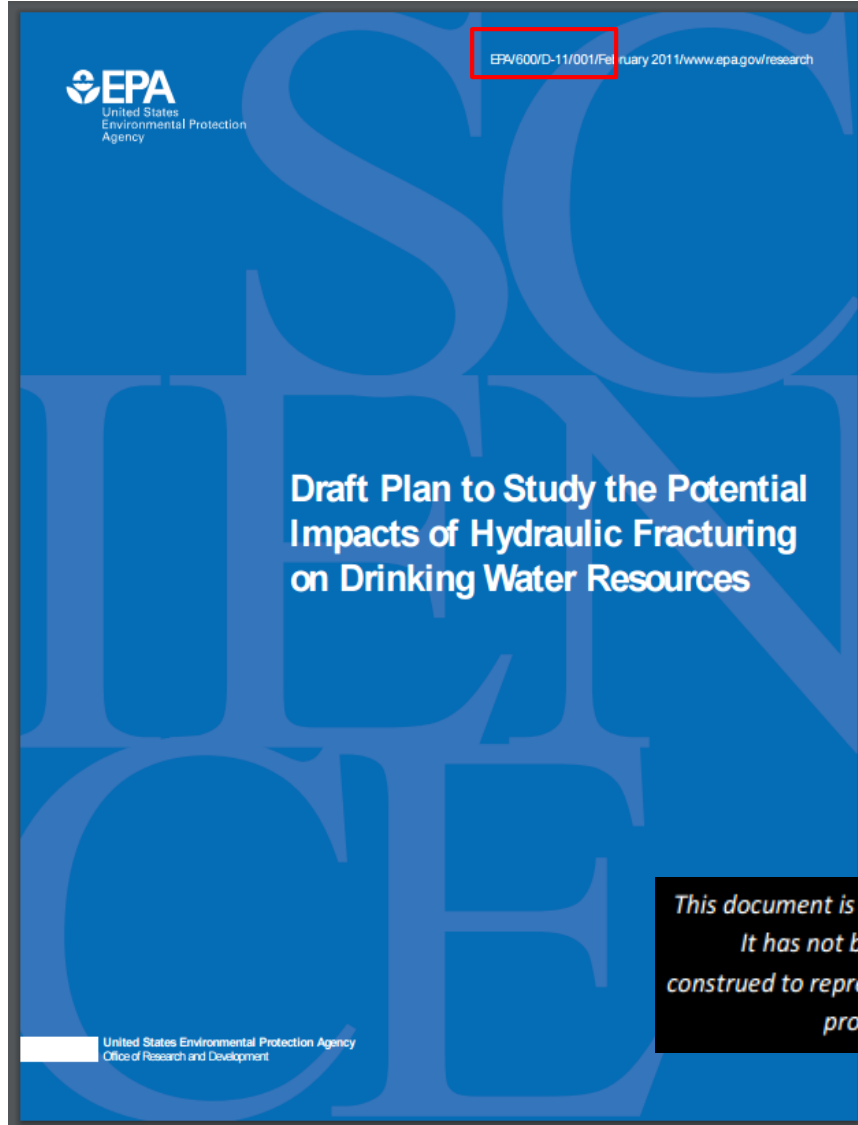


## DRINKING WATER HANDBOOK FOR PUBLIC OFFICIALS





# Official EPA Documents



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# Official EPA Documents

EPA 816-R-04-004

## Public Comment and Response Summary for the Study on the Potential Impacts of Hydraulic Fracturing of Coalbed Methane Wells on Underground Sources of Drinking Water

FINAL

June 2004

United States Environmental Protection Agency  
Office of Water  
Office of Ground Water and Drinking Water  
Drinking Water Protection Division  
Prevention Branch  
1200 Pennsylvania Avenue, NW (4606M)  
Washington, DC 20460

TABLE 1: LIST OF PUBLIC COMMENTERS

Docket ID <sup>1</sup>	Edocket ID (OW-2001-0002) <sup>2</sup>	Organization (State)
II-D1.068	095	State of South Dakota (SD)
II-D1.069	096	Ohio Department of Natural Resources (OH)
II-D1.073	101; 102	Conservation Division of the Kansas Corporation Commission (KS)
II-D1.079	116	State of Louisiana, Department of Natural Resources (LA)
II-D1.080	117	Colorado Oil & Gas Conservation Commission (CO)
II-D1.082	119	State of Missouri Department of Natural Resources, Geological Survey & Resource Assessment Division (MO)
II-D1.092	130	Indiana Department of Natural Resources, Division of Oil and Gas (IN)
II-D1.096	134	State of Oklahoma, Office of the Secretary of Energy (OK)
II-D1.103	147	Della County Commissioners (CO)
II-D2.006	141	Office of Fossil Energy, Department of Energy (DC)
II-D2.009	149	Ohio Department of Natural Resources, Division of Mineral Resources Management (OH)
<b>Oil and Gas Companies</b>		
II-D1.070	097	Halliburton Energy Services (TX)
II-D1.075	105	Chevron Texaco North American Upstream (TX)
II-D1.090	127	Shell Exploration & Production Company (TX)
<b>Trade Associations</b>		
II-D1.035	113	Domestic Petroleum Council (DC)
II-D1.036	064	Independent Petroleum Association (DC)
II-D1.052	077	Interstate Oil and Gas Compact Commission (OK)
II-D1.053	080	Independent Oil & Gas Association of West Virginia (WV)
II-D1.054	042	Coalbed Methane Association of Alabama (AL)
II-D1.056	081	Oklahoma Independent Petroleum Association (OK)
II-D1.071	099	Ground Water Protection Council (OK)
II-D1.074	104	American Petroleum Institute (DC)
<b>Other</b>		
II-D1.020	051	Pace Law School (NY)
II-D1.021	111	University of Montana, Montana Bureau of Mines and Geology, Montana Tech (MT)
II-D1.077	114	Steven Harper, Attorney at Law (CO)
II-D1.078	129	Hansen Environmental Consultants (WA)

<sup>1</sup> Docket identification numbers are assigned by the Water Docket in order to track each public comment with a unique identification number. Note that if a comment has a prefix of "II-D2," it indicates that the comment was received after the October 28, 2002 comment deadline. Comments with the following docket logs were updates, repeats, or clarifications of other comments: II-D1.91; II-D2.03; II-D2.04; and II-D2.05.

<sup>2</sup> An electronic version of each public comment is available through EPA's electronic public docket and comment system, EPA Dockets at <http://www.epa.gov/epedocket/>. Each comment begins with the prefix "OW-2001-0002-". EdoCKET numbers were assigned to comment materials, as well as other relevant background documents in the order they were posted to the edocket Web site.

# Publications of OAQPS

## What Is a Document Number???

All OAQPS and other official publications have a **unique** document number.

- Public comment drafts and final drafts have **different** document numbers from one another.
- Revised versions of published documents get a **new** document number, which is different from the number on the first publication.

**EPA-452/R-11-001**

**Division**  
452: Health and  
Environmental Impacts  
Division, OAQPS

**Publication  
Type**  
R: Report/Final  
Report

**Publication  
Year**  
11: 2011

**Sequential  
Number,**  
unique  
identifier

# Publications of OAQPS

## List of Office Codes

**(100)** Administrator, Deputy Administrator

**(120)** Science Advisory Board (SAB)

**(140)** Office of Congressional and Intergovernmental Relations

**(150)** Office of Civil Rights

**(160)** Office of International and Tribal Affairs

**(170)** Office of Public Engagement and Environmental Education

**(180)** Office of Small Business Programs

**(190)** Office of Chief Financial Office (OCFO)

**(200-220)** Office of Administration and Resources Management

**(230)** Office of Policy

**(260)** Office of Environmental Information

**(300-340)** Office of Enforcement and Compliance Assurance

**(350)** Office of Inspector General

**(360)** Office of General Counsel

**(400-450)** Office of Air and Radiation

**(500-550)** Office of Solid Waste and Emergency Response

**(560)** Brownfields

**(600-650)** Office of Research and Development

**(700-750)** Office of Pesticides and Toxic Substances

**(800-850)** Office of Water

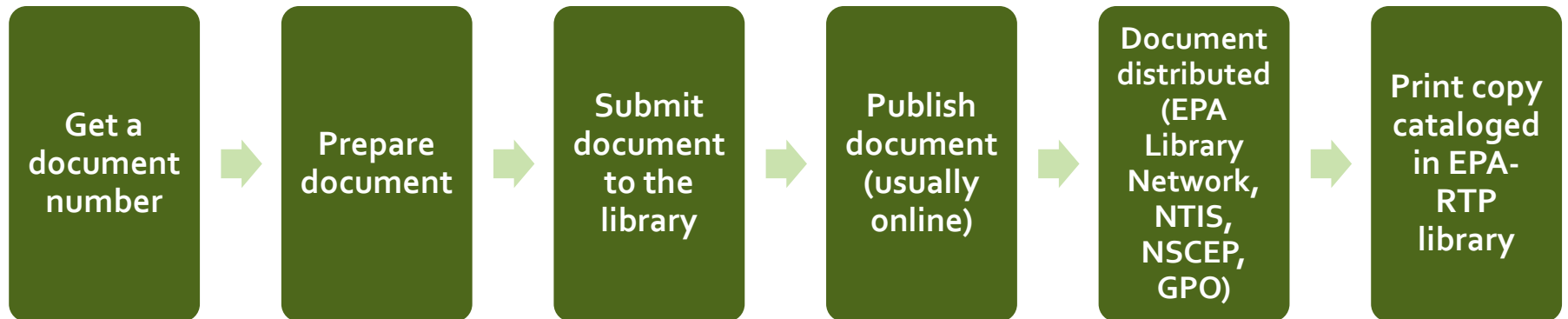
**(900-910)** Regions

**(950)** The responsible organization is unknown

# Publications of OAQPS

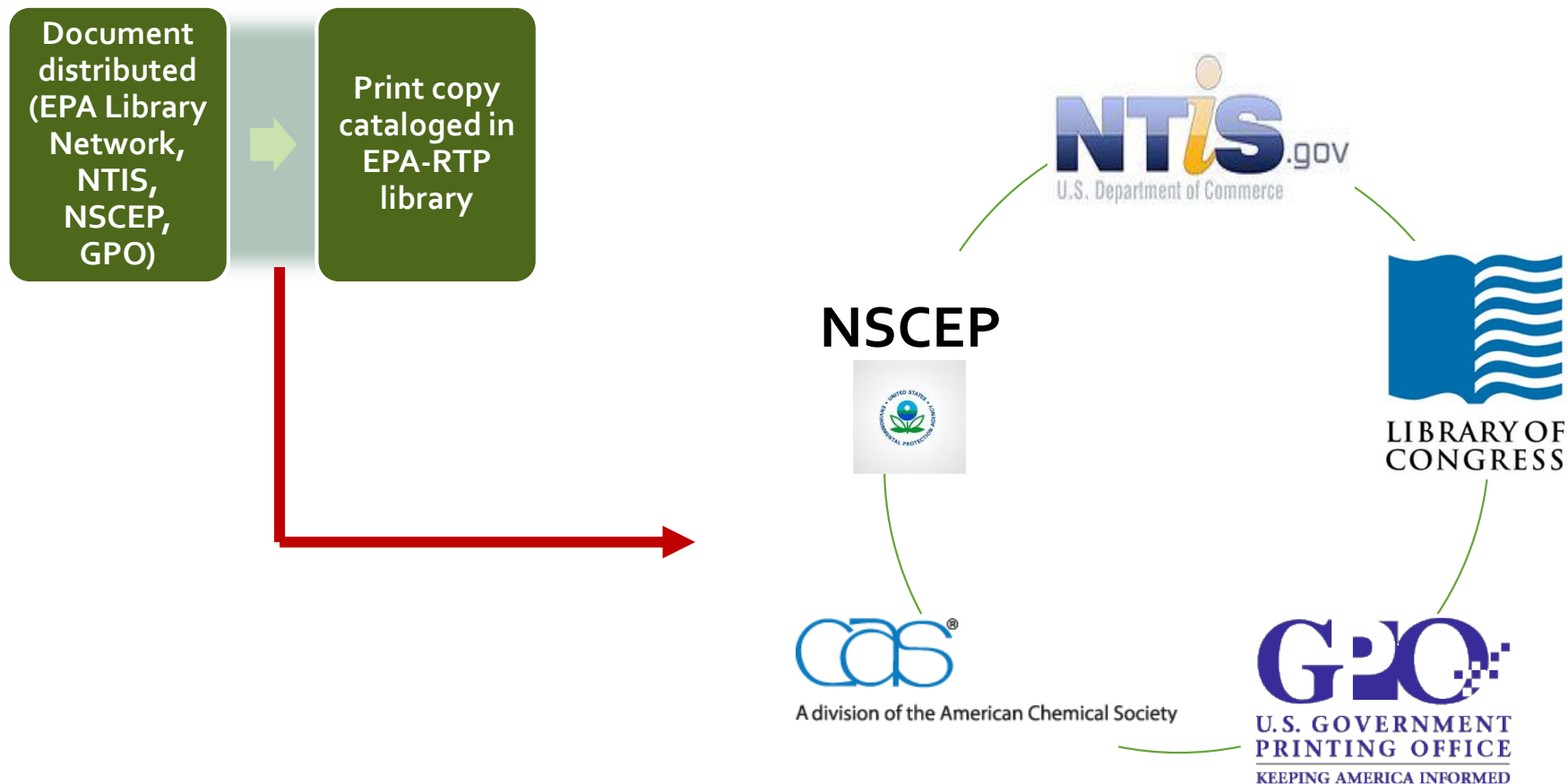
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## OAQPS Publication Process



# Publications of OAQPS

## OAQPS Publication Process



# National Library Catalog

Related Topics: [EPA National Library Network](#)

[Contact Us](#) [Share](#)

## Basic Search of the EPA National Library Catalog

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Choose a Library:

(CTRL-CLICK for multiple libraries)

- Search all libraries
- AWBERC Library/Cincinnati,OH
- Capital Group(All DC-area libraries)
- GWERD Library/Ada,OK

Keywords ▾

Report/Call Number

[Search](#)

[Clear](#)

[Advanced Search](#) [About the Catalog](#) [Help](#) [Search History](#)

### Search Special Collections:

[New Acquisitions](#) | [National Service Center for Environmental Publications](#) | [Air Pollution Technical Info Center](#)

[Region 1 Information](#) | [Region 9 Information \(Historical Material\)](#)

[Contact Us](#) to ask a question, provide feedback, or report a problem.

# National Library Catalog

## Advanced Search of the EPA National Library Catalog

Sort Results:

Publication dates (newest-oldest) ▾

Choose a Library:

(CTRL-CLICK for multiple libraries)

Region 8 Technical Library/Denver,CO  
Region 9 Library/San Francisco,CA  
Region 10 Library/Seattle,WA  
Research Triangle Park Library/RTP, NC ▾

Choose a Collection:

(CTRL-CLICK for multiple collections)

Search all collections  
books  
documents ▾

Items with URLs

Title ▾	<input type="text" value="lead concentrations"/>	all the words ▾	AND ▾
Keywords ▾	<input type="text"/>	all the words ▾	AND ▾
Author ▾	<input type="text"/>	all the words ▾	AND ▾
Report/Call Number ▾	<input type="text" value="Enter report number"/>		
OCLC Number	<input type="text"/>		
Year Published	<input type="text"/>	Or Enter a Range: <input type="text"/> to <input type="text"/> (YYYY)	
Date Modified	<input type="text"/>	Or Enter a Range: <input type="text"/> to <input type="text"/> (MM/DD/YYYY)	

Search

Clear



# National Library Catalog

## Searching by Report Number or Call Number

Use this field to search for publications by EPA report number, NTIS (National Technical Information Service) Report Number or Call Number.

**EPA Report Number:** This number will usually have the format EPA/nnn-n-nn-nnn. You can search for the number with or without the punctuation.

### Examples:

- EPA220R93007
- epa/220-r-93-007
- epa220\* (the asterisk is a "wildcard" character" - this search will retrieve all documents with report numbers that begin with "epa220")

Search in the REPORT/CALL NUMBER field for an EPA Report Number:

# National Library Catalog

**National Technical Information Service (NTIS) Report Number:** Many EPA documents and other federal environmental documents are available from NTIS. These items will have a report number that follows the format PBnnn-xxx or PBnnnn-nnnnnn. Including the dash (-) in the search is optional.

## Examples:

- PB96-115910
- PB2012-103314
- pb187-758
- pb97\* (this search will retrieve all documents with NTIS report numbers that begin with "pb97")

Search in the REPORT/CALL NUMBER field for a NTIS number:

# National Library Catalog

## Search Results for the EPA National Library Catalog

Items Found: **305**

Showing: Items 1 - 50

Your Search: (TITLE=particulate AND matter) AND (LIB=%D)

Sort Results:

Publication dates (newest-oldest) ▾

Choose a Library:

(CTRL-CLICK for multiple libraries)

Search all libraries  
AWBERC Library/Cincinnati,OH  
Capital Group(All DC-area libraries) ▾

Choose a Collection:

(CTRL-CLICK for multiple collections)

Search all collections  
books  
documents ▾

Search

New Search

Bibliography

Modify Search

Search History

1 2 3 4 5 6 7 NEXT

Select Item	Title	Year Published
<input type="checkbox"/> 1	<a href="#">Synergistic effects of particulate matter and substrate stiffness on epithelial-to-mesenchymal transition /</a>	2014
<input type="checkbox"/> 2	<a href="#">National Particle Component Toxicity (NPACT) Initiative : integrated epidemiologic and toxicologic studies of the health effects of particulate matter components /</a>	2013
<input type="checkbox"/> 3	<a href="#">Assessment of the health impacts of particulate matter characteristics /</a>	2012
<input type="checkbox"/> 4	<a href="#">Atmospheric light detection and ranging (LiDAR) coupled with point measurement air quality samplers to measure fine particulate matter (PM) emissions from agricultural operations : the Los Banos CA Fall 2007 tillage campaign /</a>	2012
<input type="checkbox"/> 5	<a href="#">Regulatory impact analysis for the final revisions to the National Ambient Air Quality Standards for particulate matter.</a>	2012
<input type="checkbox"/> 6	<a href="#">Regulatory impact analysis for the proposed revisions to the National Ambient Air Quality Standards for particulate matter.</a>	2012
<input type="checkbox"/> 7	<a href="#">Policy assessment for the review of the particulate matter national ambient air quality standards.</a>	2011
<input type="checkbox"/> 8	<a href="#">Pulmonary particulate matter and systemic microvascular dysfunction /</a>	2011
<input type="checkbox"/> 9	<a href="#">The impact of the congestion charging scheme on air quality in London : Part 1. Emissions modeling and analysis of air pollution measurements, Part 2. Analysis of the oxidative potential of particulate matter /</a>	2011

# National Library Catalog

## Record Display for the EPA National Library Catalog

RECORD NUMBER: 5 OF 305

[New Search](#) [Search Results](#) [Full Record](#) [Bibliography](#) [Modify Search](#) [Search History](#)

[PREV](#) [NEXT](#)

OLS Field Name	OLS Field Data
Main Title	Regulatory impact analysis for the final revisions to the National Ambient Air Quality Standards for <b>particulate matter</b> .
CORP Author	Environmental Protection Agency, Research Triangle Park, NC. Office of Air Quality Planning and Standards.
Publisher	illustrations (some color), charts, maps ;
Year Published	2012
Report Number	EPA/452/R-12/005 ←
Stock Number	PB2013-109359 ←
OCLC Number	855624287
Subjects	<a href="#">Atmospheric deposition.</a> ; <a href="#">Air quality--Standards--United States.</a> ; <a href="#">Air quality--United States.</a> ; <a href="#">Air--Pollution--Law and legislation--United States.</a> ; <a href="#">Air quality management--United States.</a>
Additional Subjects	<a href="#">Air pollution control</a> ; <a href="#">Particulates</a> ; <a href="#">Air quality standards</a> ; <a href="#">Benefits</a> ; <a href="#">Costs</a> ; <a href="#">Implementation</a> ; <a href="#">Monitoring</a> ; <a href="#">Public health</a> ; <a href="#">Regulations</a> ; <a href="#">Revisions</a> ; <a href="#">US EPA</a> ; <a href="#">Regulatory Impact Analysis(RIA)</a> ; <a href="#">National Ambient Air Quality Standards(NAQSS)</a>

Internet Access	Description	Access URL
		<a href="http://www.epa.gov/ttnecas1/regdata/RIAs/finalria.pdf">http://www.epa.gov/ttnecas1/regdata/RIAs/finalria.pdf</a> <a href="http://nepis.epa.gov/Exe/ZyPDF.cgi?Dockkey=P100G5UO.PDF">http://nepis.epa.gov/Exe/ZyPDF.cgi?Dockkey=P100G5UO.PDF</a>

Holdings	Library	Call Number	Additional Info	Location	Last Modified	Checkout Status
	EKBD	EPA-452/R-12-005		Research Triangle Park Library/RTP, NC	08/19/2013	
	NTIS	PB2013-109359	Most EPA libraries have a fiche copy filed under the call number shown. Check with individual libraries about paper copy.	NTIS	01/17/2014	

# NSCEP — <http://www.epa.gov/nscep>

## National Service Center for Environmental Publications

Contact Us Share

### Environmental Materials for the Classroom

Teachers, are you looking for environmental information to share with your students?

[NSCEP Teacher Order Forms](#)

1

2

### EPA Publications

You can search, retrieve, download, print, and order EPA technical, scientific, and educational materials from this site – **all free of charge!**

## Program Clients

- Office of Administration and Resources Management (OARM)
- Office of Air & Radiation (OAR)
- Office of Chemical Safety and Pollution Prevention (OCSPP)
- Office of Enforcement & Compliance Assurance (OECA)
- Office of Research & Development (ORD)
- Office of Solid Waste & Emergency Response (OSWER)
- Office of Water (OW)
- Office of the Administrator

# NSCEP

## Search Publications

**“EPA 430/R-04/009”**

Choose from what is available for viewing online...

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> 2011 - Current | <input checked="" type="checkbox"/> 1995 - 1999 | <input checked="" type="checkbox"/> 1981 - 1985   |
| <input checked="" type="checkbox"/> 2006 - 2010    | <input checked="" type="checkbox"/> 1991 - 1994 | <input checked="" type="checkbox"/> 1976 - 1980   |
| <input checked="" type="checkbox"/> 2000 - 2005    | <input checked="" type="checkbox"/> 1986 - 1990 | <input checked="" type="checkbox"/> Prior to 1976 |
- and
- Hardcopy Publications**

### Refine your search:

[How to Simple Search](#) | [Advanced Search \(How to\)](#) / [Field Search \(How to\)](#) / [All Ways to Search and Browse](#)

# NSCEP

## Search Results

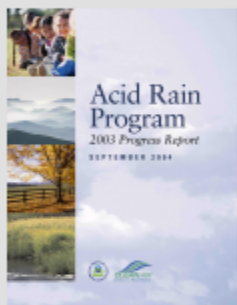
Search Results for "430r04009 " (1 to 4 of 4)

Add to Your Collection

Show Search Cloud

Sort by Hitdensity

1



430R04009

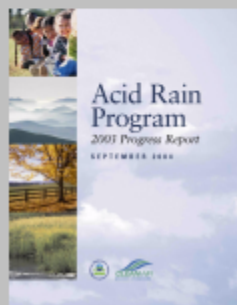
EPA ACID RAIN PROGRAM: 2003 PROGRESS REPORT



~~ Pages



2



430R04009

EPA Acid Rain Program 2003 Progress Report

2004

20 Pages



## Document Display

Title:

EPA ACID RAIN PROGRAM: 2003 PROGRESS REPORT

Document 1 of 4



Save A Copy for Later

Page 1 (1 of 1)



Search in document

Include current hits (1) -> 430r04009

### Orderable Hardcopy Document

[430R04009](#) - EPA ACID RAIN PROGRAM: 2003 PROGRESS REPORT

Publisher National Service Center for Environmental Publications P.O. Box 42419 Cincinnati OH  
45242  
Phone 800-490-9198  
Fax 301-604-3408  
Source NSCEP

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Page 1 (1 of 1)



# NSCEP

## Document Display

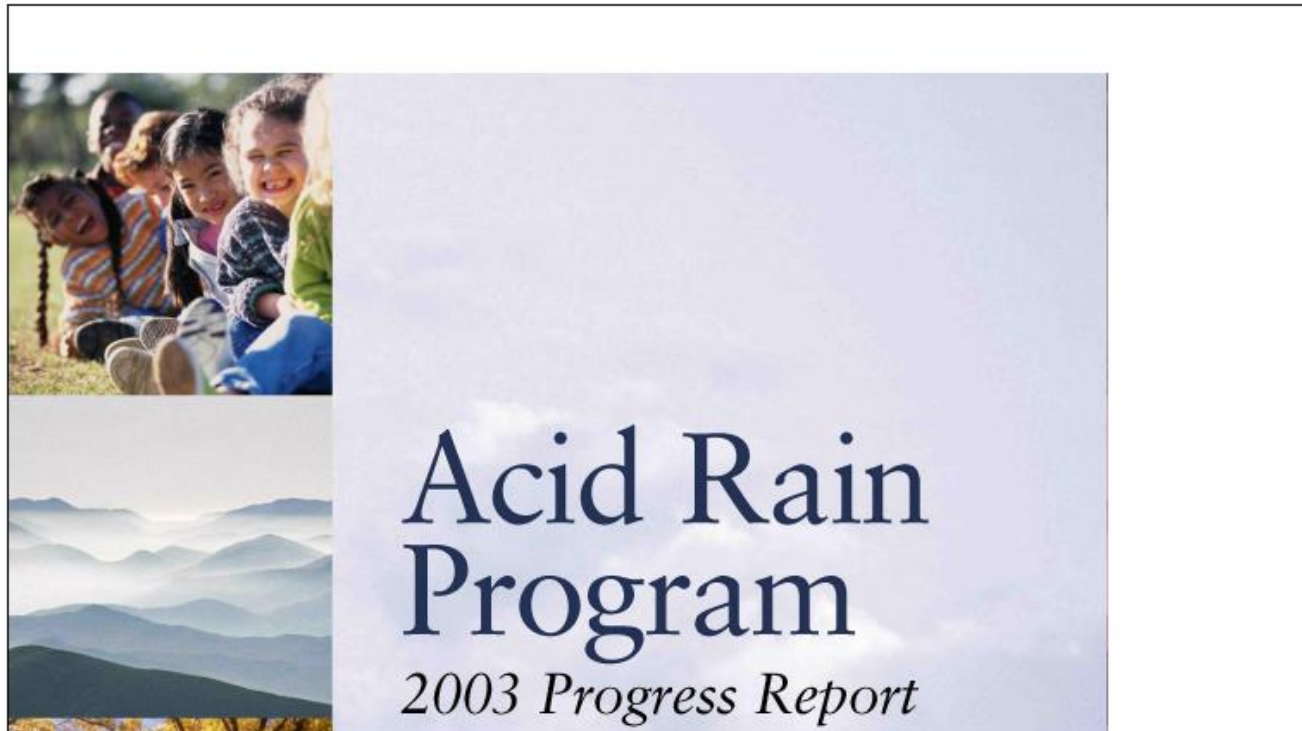
Title:  
EPA Acid Rain Program 2003 Progress Report  
Document 2 of 4



Page 1 (1 of 20) : 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20

Pages per View

Search in document  Include current hits (3) -> 430r04009



# NSCEP

## Document Display

Title:

EPA Acid Rain Program 2003 Progress Report

Document 2 of 4



Save A Copy for Later

Page 1 (1 of 20) : [1](#) - [2](#) - [3](#) - [4](#) - [5](#) - [6](#) - [7](#) - [8](#) - [9](#) - [10](#) - [11](#) - [12](#) - [13](#) - [14](#) - [15](#) - [16](#) - [17](#) - [18](#) - [19](#) - [20](#)

Navigation toolbar with icons for back, forward, search, and other document controls. Includes a "Pages per View" dropdown menu and a "GET A COPY" button with icons for print, save, and information.

Search in document

Include current hits (3) -> 430r04009

### Document delivery options

**Adobe® PDF**  
Best for Printing

**TIFF**  
**TIFF**  
**TIFF**  
Multipage TIFF

GMAXRAYHOTEL  
ORRRYEKSIHWO  
LAROJOSCARDL  
FFEMFUATOUYI  
CO AK  
EX Unformatted NO  
BT TEXT KV  
ER EA  
UOSINOVEMBER  
QTAHPLAEKIMB  
GNVICTORAMIL  
PAPASEILRAHC

**UNITED STATES**  
**POSTAL SERVICE**  
Request Delivery



# EPA.GOV –Toxics Release Inventory

## Toxics Release Inventory (TRI) Program

Contact Us Share

### Submit Your Proposal for the 2016 TRI Conference!

The theme of the next **National Training Conference on TRI and Environmental Conditions in Communities** is *TRI at 30: Working Together to Reduce Toxic Releases*. Submit your abstract by May 31, 2016.

1 2 3 4

### Reporting Pollution Pr...



Reporting Pollution Prevention to TRI

- Recent TRI News
- TRI Website Map

TRI is a resource for learning about toxic chemical releases and pollution prevention activities reported by industrial and federal facilities. TRI data support informed decision-making by communities, government agencies, companies, and others.

### About the TRI Program

- [Factors to Consider When Using TRI](#)
- [Compliance and Enforcement](#)
- [International TRI](#)
- [TRI University Challenge](#)



- [Pollution Prevention \(P2\) Data](#)
- [Tools for TRI Data Analysis](#)
- [TRI for Communities](#)
- [2014 National Analysis Report](#)

### Annual Reporting For Facilities

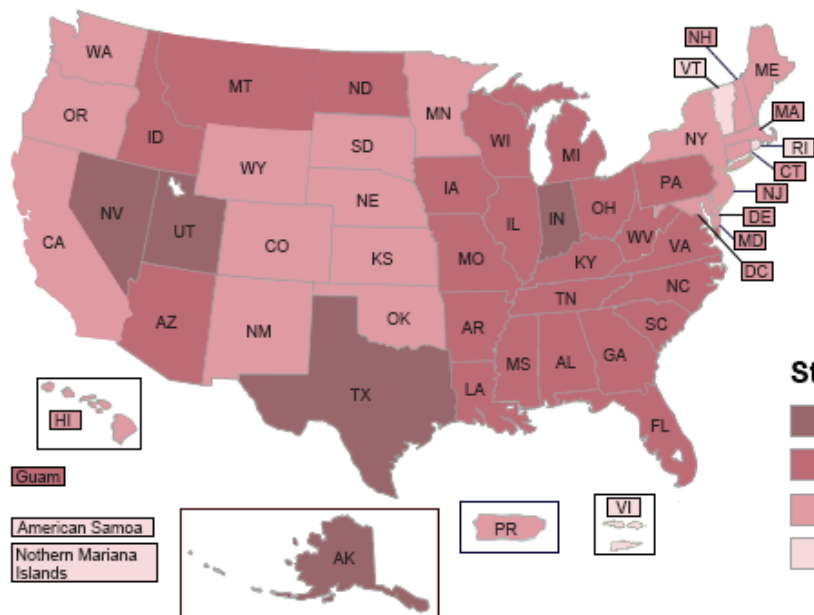
- [Determine if Your Facility Must Report](#)
- [Training on TRI Reporting](#)
- [Guidance Documents](#)
- [Access TRI-MEweb Resources](#)

# EPA.GOV –Toxics Release Inventory

## Find TRI Factsheets for Your Community

Search by:  States  Metropolitan Areas  Watersheds  Tribal

Search: State:  or Zip Code:  City:  County:



**Note:** Search results will display location-specific data based on facilities that reported to the TRI Program in 2014. Data are current as of November 2015.

[Use the interactive version of this map.](#)

## Find TRI Facilities

Street

City

State

Zip

**Note:** Search results will display facilities that reported to the TRI Program in 2014. Data are current as of October 2015. Search uses the myRTK tool.

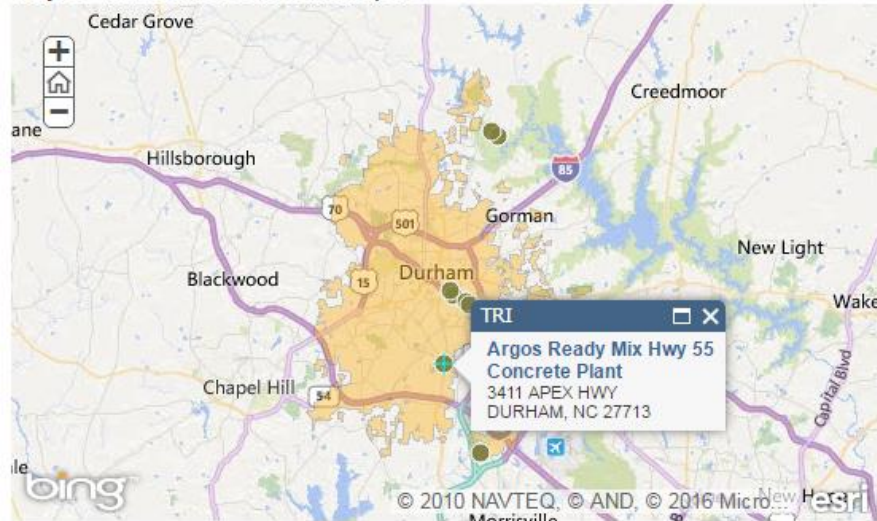


**Get email alerts**



# EPA.GOV –Toxics Release Inventory

Map of TRI Facilities in Durham, NC

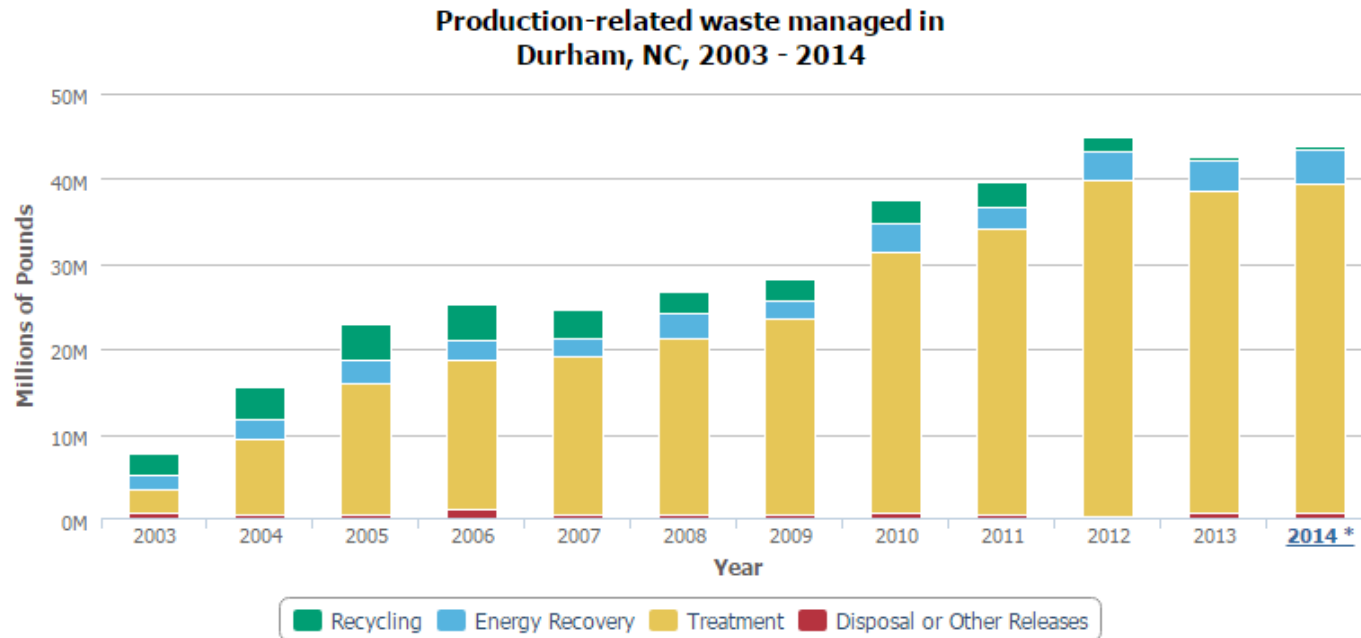


Quick Facts for 2014

	Durham, NC	United States
<b>Number of TRI Facilities:</b>	165	21,841
<b>Total Production-Related Waste Managed:</b>	41.0 million lbs	25.3 billion lbs
<b>Total On-site and Off-site Disposal or Other Releases:</b>	617.4 thousand lbs	3.9 billion lbs
<b>Total On-site:</b>	449.4 thousand lbs	3.4 billion lbs
• Air:	449.4 thousand lbs	739.2 million lbs
• Water:	0 lbs	215.5 million lbs
• Land:	0 lbs	2.5 billion lbs
<b>Total Off-Site:</b>	167.9 thousand lbs	450.6 million lbs

North Carolina ranks **18 out of 56** states/territories nationwide based on total releases per square mile (Rank 1 = highest releases)

# EPA.GOV –Toxics Release Inventory

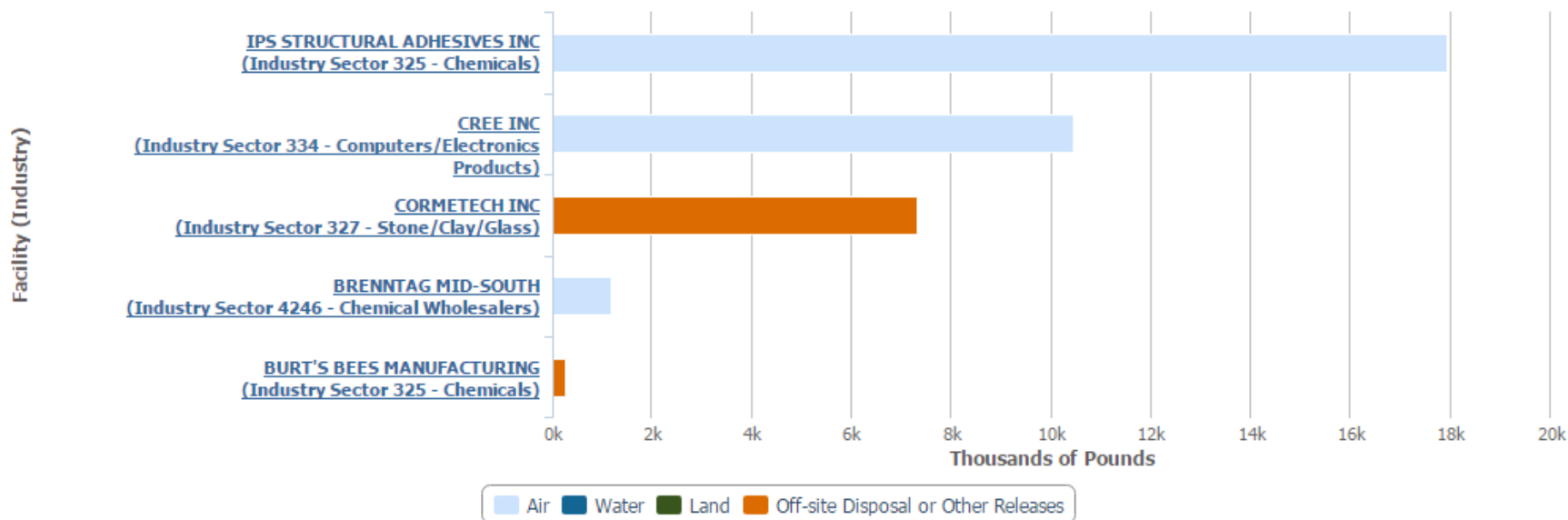


\*click to view this year's data as a pie chart.



# EPA.GOV –Toxics Release Inventory

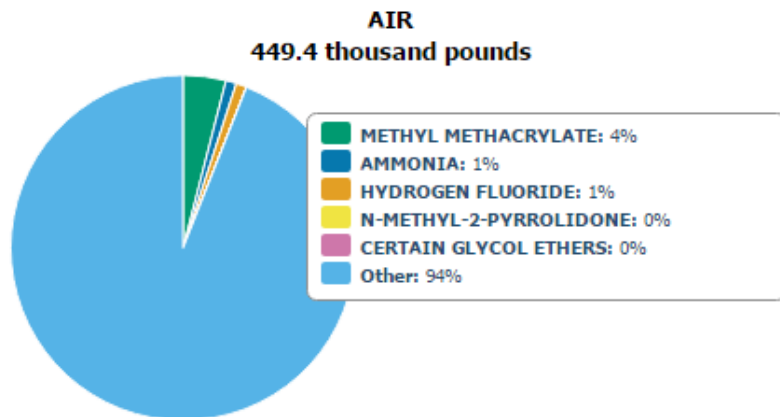
Top Five Facilities by Total Disposal or Other Releases  
Durham, NC, 2014





# EPA.GOV –Toxics Release Inventory

## Top Five Chemicals Released to Air and Water Durham, NC, 2014



No Releases to Water  
Reported

**Note: \*\*=Carcinogenic Chemical**

Note: Trend graphs were created using the 2001 core chemicals/industries list.

[Download basic TRI data file](#)

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[go](#)

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

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Social sites:



[More social media at EPA >>](#)



# EPA.GOV – MyEnvironment

The screenshot shows the EPA MyEnvironment website interface. At the top, there are navigation tabs: "LEARN THE ISSUES", "SCIENCE & TECHNOLOGY", "LAWS & REGULATIONS", and "ABOUT EPA". On the right, there is an "Advanced Search" box with a "SEARCH" button and an "A-Z Index" link. Below the navigation, there is a "MyEnvironment" logo on the left and a location selector on the right showing "Durham, NC" and a "Select a new Location:" input field. A "Contact Us" link is also visible. The main content area features a large banner image of a lake with mountains in the background. Below the banner, there is a navigation bar with icons for Home, Air, Water, Climate, Health, Land, Maps, and Energy. The "Climate" icon is highlighted in yellow.

[Air](#)

[Water](#)

[Climate](#)

[Health](#)

[Land](#)

[Maps](#)

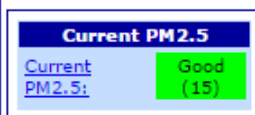
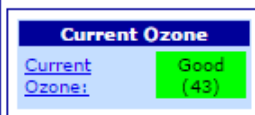
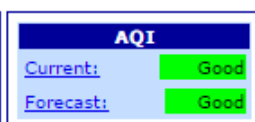
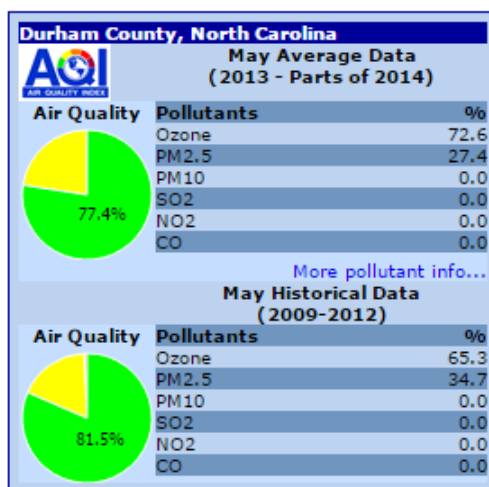
[Energy](#)

# EPA.GOV – MyEnvironment



## Air Quality Index

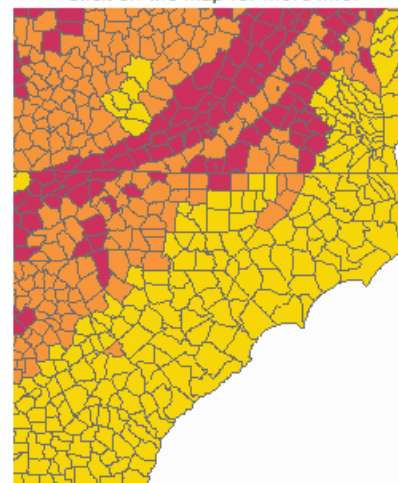
The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air.



## Radon

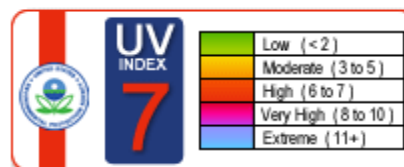
Exposure to radon in the home is responsible for an estimated 20,000 lung cancer deaths each year. Radon is a health hazard with a simple solution. Read "A Citizen's Guide to Radon".

Click on the map for more info.



## Ultraviolet (UV) Index

The ozone layer shields the Earth from harmful ultraviolet (UV) radiation. Ozone depletion, as well as seasonal and weather variations, cause different amounts of UV radiation to reach the Earth at any given time.



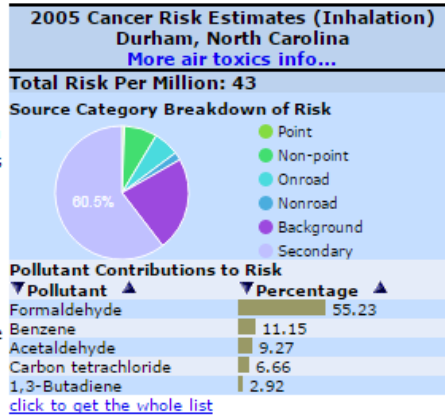
[More UV Information >>](#)

# EPA.GOV – MyEnvironment



## Cancer Risk

Toxic air pollutants, or air toxics, are those pollutants known or suspected of causing cancer or other serious health problems, such as birth defects. Cancer risk is expressed as a number in a million, e.g., 16 in a million chance of getting cancer due to air pollution. Not all air pollutants are considered – please visit the [NATA Web site](#) for more information on the 2005 NATA data.



## Your Carbon Footprint

Many of our daily activities cause emissions of greenhouse gases. Do you know what your carbon footprint is? Try one of these calculators to estimate your annual greenhouse gas emissions.

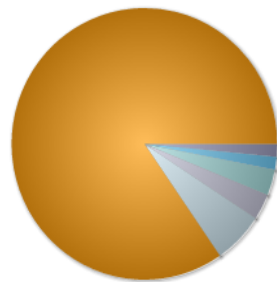
[Greenhouse Gas Emissions Calculator](#)  
[Greenhouse Gas Equivalencies Calculator](#)  
[Power Profiler](#)



## Greenhouse Gas Emissions State and County Comparisons

Greenhouse gases are gases that trap heat in the atmosphere. The charts below show you the industries that contribute most to producing these greenhouse gases in your area.

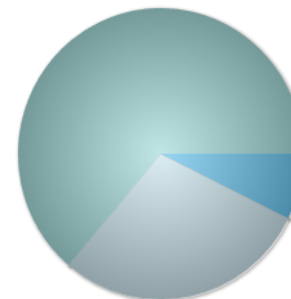
Greenhouse Gas Emissions by Sector  
(Metric Tons of CO<sub>2</sub>e)  
North Carolina State



Sectors

- Minerals
- Chemicals
- Other
- Pulp and Paper
- Waste
- Power Plants

Greenhouse Gas Emissions by Sector  
(Metric Tons of CO<sub>2</sub>e)  
North Carolina – Durham County

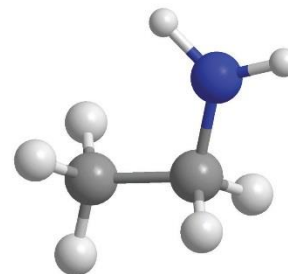


Sectors

- Chemicals
- Waste
- Other

# EPA.GOV – Integrated Risk Information System (IRIS)

## About IRIS



## IRIS Toxicity Values

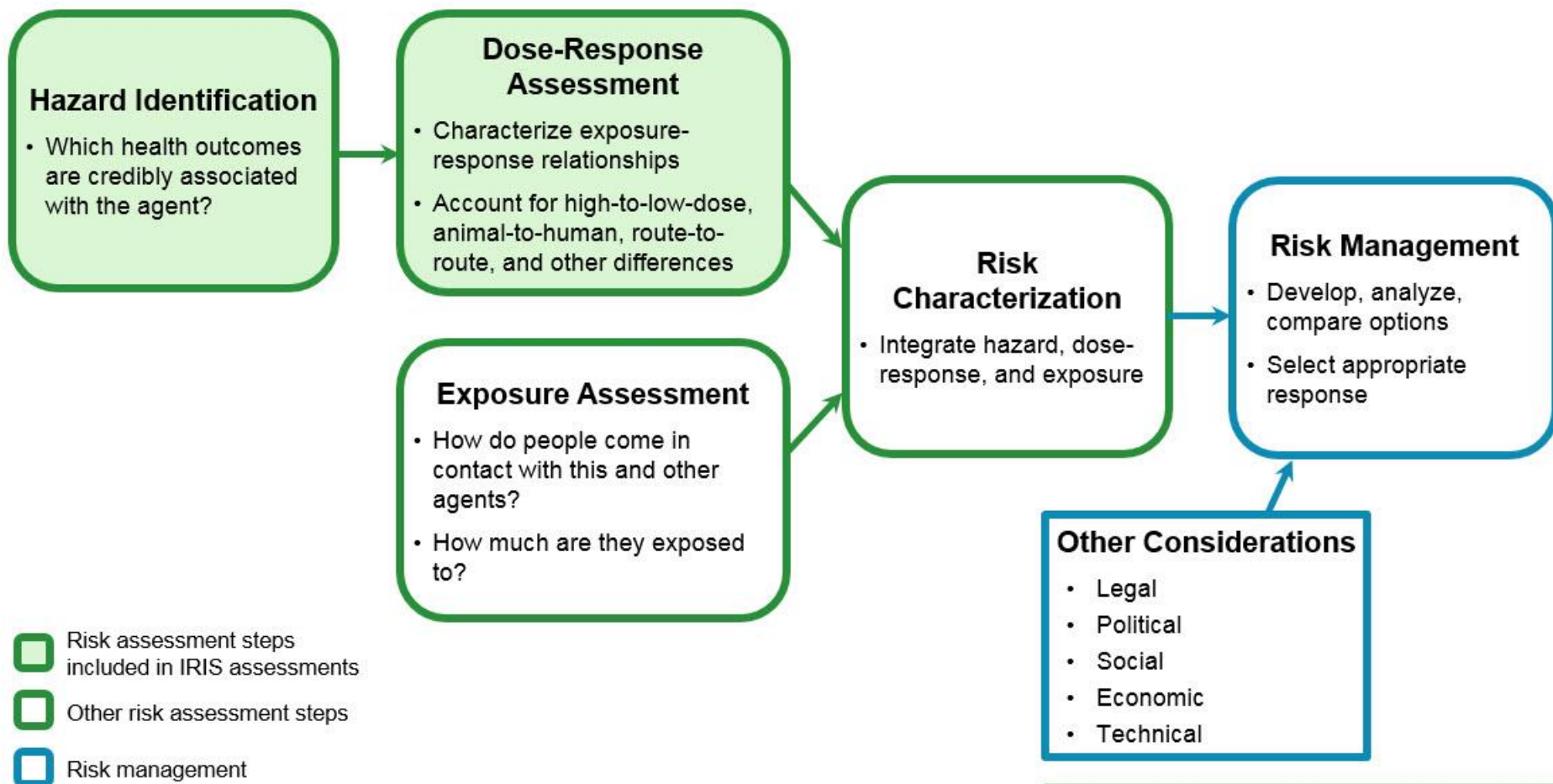
- Oral reference dose
- Inhalation reference concentration

## Cancer Descriptors:

- Carcinogenic to Humans
- Likely to be Carcinogenic to Humans
- Suggestive Evidence of Carcinogenic Potential
- Inadequate Information to Assess Carcinogenic Potential
- Not Likely to be Carcinogenic to Humans



# Connections between IRIS Assessments, Risk Assessment, and Risk Management



*IRIS assessments evaluate only human health hazards, and do not address the legal, political, social, economic, or technical considerations involved in risk management.*

# EPA.GOV – Integrated Risk Information System (IRIS)

Refine Your Search By:

**Chemical, CASRN, or Keyword** ▲

 **Done**

**Noncancer and/or Cancer** ▲

noncancer  
 cancer

**Route of Exposure** ▲

oral  
 inhalation

**Organ/System Affected** ▼

**Toxicity Value, Noncancer** ▼

**Uncertainty Factor Value** ▼

**Weight of Evidence of Carcinogenicity** ▼

**Toxicity Value, Cancer** ▼

### Search IRIS

By Chemical, CASRN, or Keyword

 **Search**

Chemical Name	CASRN	Description	Cited File
<a href="#">Benzene</a>	71-43-2	EPA / 635 / R - 02 / 001F TOXICOLOGICAL REVIEW OF <b>BENZENE</b> ( NONCANCER EFFECTS ) ( CAS No . 71 - 43 - 2 ) In Support of Summary Information on the Integrated Risk Information System ( IRIS ) October 2002 U.S . Environmental Protection Agency Washington , DC DISCLAIMER This document has been reviewed	<a href="#">Toxicity Review Document: 276.pdf</a>



# EPA.GOV – Integrated Risk Information System (IRIS)

## Benzene

CASRN 71-43-2

- [Toxicological Review \(PDF\)](#) (180 pp, 1.59 M)
- [IRIS Summary \(PDF\)](#) (45 pp, 261 K)
- [Supporting Documents for Benzene](#)
- Status: Benzene is not being reassessed by IRIS at this time.

**Key IRIS Values** | **History**

### Health Hazard Assessments for Effects Other than Cancer

**Reference Dose for Oral Exposure (RfD) (PDF)** (45 pp, 261 K) last updated: 04/17/2003

RfD (mg/kg-day)	System	Basis	PoD	Composite UF	Confidence
$4.0 \times 10^{-2}$	Immune	Decreased lymphocyte count	BMDL : 1.2 mg/kg-day	300	Medium

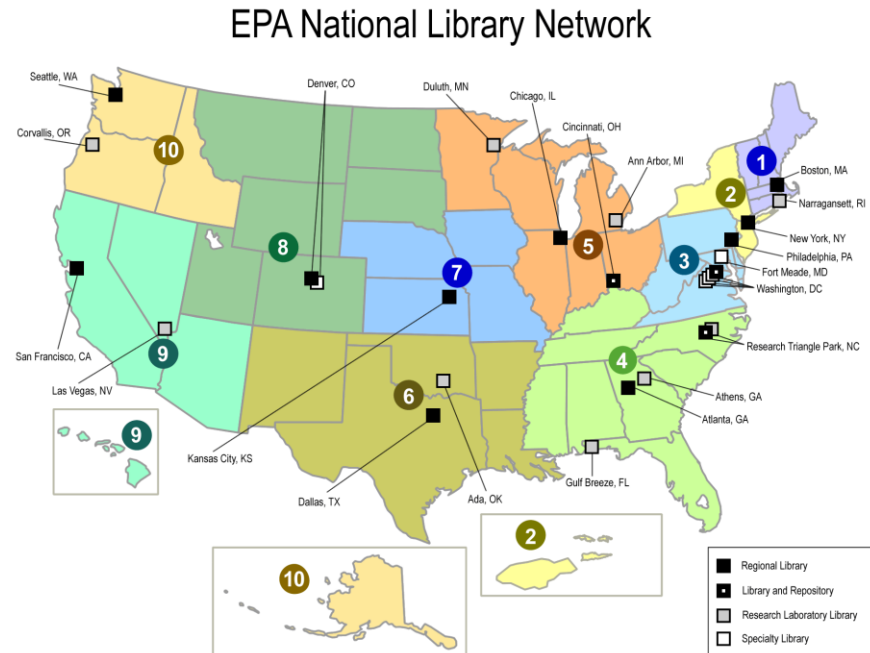
**Reference Concentration for Inhalation Exposure (RfC) (PDF)** (45 pp, 261 K) last updated: 04/17/2003

RfC (mg/m <sup>3</sup> )	System	Basis	PoD	Composite UF	Confidence
$3 \times 10^{-2}$	Immune	Decreased lymphocyte count	BMCL : 8.2 mg/m <sup>3</sup>	300	Medium

# EPA National Library Network

## Vision

The EPA National Library Network is an essential information partner with EPA staff and the public to support decision making, environmental awareness, and protection of human health and the environment.



# EPA National Library Network

**Regional Libraries** meet local and Regional needs related to scientific research, environmental regulation, and outreach. They are often the first point of contact for public inquiries.



- Region 1 Library, Boston, MA
- Region 2 Library, New York, NY
- Region 3 Library, Philadelphia, PA
- Region 4 Library, Atlanta, GA
- Region 5 Library, Chicago, IL
- Region 6 Library, Dallas, TX
- Region 7 Library, Kansas City, KS
- Region 8 Technical Library, Denver
- Region 9 Library, San Francisco, CA
- Region 10 Library, Seattle, WA

# EPA National Library Network



**Laboratory Libraries** primarily serve EPA's scientific research community and have a specific research focus.

- NERL – Las Vegas, NV
- NERL – Athens, GA
- NHEERL – Narragansett, RI
- NHEERL – Gulf Breeze, FL
- NHEERL – Duluth, MN
- NHEERL – Corvallis, OR
- NRMRL – Ada, OK
- National Vehicle & Fuel Emissions, Ann Arbor, MI

# EPA National Library Network

**Specialty Libraries** are distinguished by special focus areas and subject-specific collections.

- **Headquarters and Chemical Libraries, Washington D.C.**
- **Office of General Counsel Law Library, Washington D.C.**
- **National Enforcement Investigations Center Environmental Forensic Library, Denver, CO**
- **Environmental Science Center Library, Fort Meade, MD**



# EPA National Library Network

**Lead Service Centers** have the capacity to offer reference/research services and administrative or technical functions to other Network libraries.



- **Research Triangle Park, NC Library Services**
- **Headquarters Repository, Washington, D.C.**
- **Andrew W. Breidenbach Environmental Research Center Library, Cincinnati, OH**
- **Region 3 Library, Philadelphia, PA**



# EPA National Library Network



**Repository Library Collections** provide access to EPA documents and other materials for Network libraries, EPA employees and the public. Repository Libraries retain and manage the collections to enable other Network libraries to address space and funding challenges.

- **Headquarters Repository, Washington, D.C.**
- **Research Triangle Park, NC Library Services**
- **Andrew W. Breidenbach Environmental Research Center Library, Cincinnati, OH**

# EPA National Library Network

## EPA NATIONAL LIBRARY NETWORK BY THE NUMBERS

**36,145** documents supplied through interlibrary loan

**1,335** public visitors to physical EPA libraries

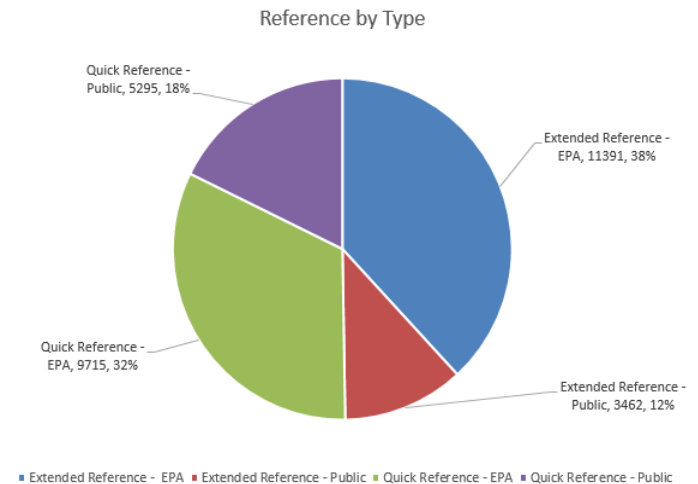
**99%** customer satisfaction rate\*

**13,251** information requests from the public answered

**59** hours per week of live chat reference services available to all EPA staff and contractors

**39,277** documents digitized from the Library Network's collections

“At the end of FY2015 the combined collections of the Network, represented in the EPA National Library Catalog, comprised 219,933 unique bibliographic records.”







EPA-RTP  
LIBRARY

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**Thank you!**

Anthony Holderied(UNC)

(919) 541-2777

[library.rtp@epa.gov](mailto:library.rtp@epa.gov)

# Resources

- **EPA National Library Network**  
<https://www.epa.gov/libraries>
- **National Library Catalog**  
[https://cfpub.epa.gov/ols/catalog/catalog\\_lookup.cfm](https://cfpub.epa.gov/ols/catalog/catalog_lookup.cfm)
- **National Service Center for Environmental Publications**  
<https://www.epa.gov/nscep>
- **EPA Publication Numbering System**  
<https://www.epa.gov/nscep/epa-publication-numbering-system>
- **Toxics Release Inventory Program**  
<https://www.epa.gov/toxics-release-inventory-tri-program>
- **MyEnvironment**  
<https://www3.epa.gov/enviro/myenviro/>
- **Integrated Risk Information System**  
<https://www.epa.gov/iris>