



ROT Review and Treatment

Jan 14, 2010

Revised Jan 19, 2010



What we will cover today

- What is ROT
- EPA.gov ROT objectives
- Content Type Review Cycle
- ROT Tools
- Next Steps




R.O.T.

- Redundant:
characterized by verbosity or unnecessary repetition in expressing ideas
- Outdated:
no longer in use or fashionable; out-of-date; outmoded; antiquated
- Trivial:
of very little importance or value; insignificant



Redundant



Laws, Regulations, Guidance and Docket

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Summary of the Clean Water Act

33 U.S.C. §1251 et seq. (1972)

The Clean Water Act (CWA) establishes the basic structure for regulating discharges of pollutants into the navigable waters.



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Clean Water Act (CWA)

You will need Adobe Reader to view some of the documents in this section.

The objective of the Federal Water Pollution Control Act, commonly known as the Clean Water Act, is to restore and maintain the integrity of the nation's waters by preventing point and nonpoint source pollution, promoting the development of wastewater treatment facilities, and maintaining the integrity of wetlands.

Watershed Academy Web
[EPA Home](#) » [Water](#) » [Watersheds, Coosps, & Watersheds](#) » [Watersheds](#) » [Watershed Academy](#) » [Watershed Academy Web](#)
[Introduction to the Clean Water Act](#)
[Academy Web Home](#) | [CWA Big Picture](#) | [Glossary](#)



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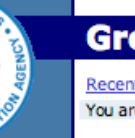
You are here: [EPA Home](#) » [Emergency Management](#) » [Laws and Regulations](#) » [Clean Water Act Overview](#)

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Clean Water Act Overview

- [Overview](#)
- [Key Provisions of the Clean Water Act](#)
- [Full Text](#)
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Clean Water Act

- [Clean Water Act](#), Short Description
- [Clean Water, Its Everybody's Business](#)
- [Clean Water Act](#), United States Code *from Cornell University*

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Clean Water Act

- [Clean Water Act](#), Short Description
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Introduction to the Clean Water Act

Introduction

The Clean Water Act (CWA) is the cornerstone of surface water quality protection in the United States. (The Act does not deal directly with ground water nor with water quantity issues.) The statute employs a variety of regulatory and nonregulatory tools to sharply reduce direct pollutant discharges into waterways, finance municipal wastewater treatment facilities, and manage polluted runoff. These tools are employed to achieve the broader goal of restoring and maintaining the chemical, physical, and biological integrity of the nation's waters so that they can support "the protection and propagation of fish, shellfish, and wildlife and recreation in and on the water."

For many years following the passage of CWA in 1972, EPA, states, and Indian tribes focused mainly on the chemical aspects of the "integrity" goal. During the last decade, however, more attention has been given to physical and biological integrity.

Interested Parties



Outdated

U.S. ENVIRONMENTAL



- AMTIC Home
- News
- Training
- Contacts
- Ambient Air Monitoring Group (AAMG)
- Related Sites
- Public Forum

Technology Transfer Network Ambient Monitoring Technology Information Center











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Presentations from the Spring Standing Air Monitoring Work Group Meeting

April 20-21, 2001

Electronic versions of the presentations made at this meeting are available below. To access individual presentation materials, please click on the PDF icon.

DOCUMENT NAME	TYPE
 Agenda	
 Meeting Notes	
 Monitoring Regulations Discussion	
 QA Strategy Discussion	
 National Performance Audit Program	



Trivial

- Sept 2009 Conference

U.S. ENVIRONMENTAL PROTECTION AGENCY

Community Involvement Training Conference

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Evening Activities

- [Fremont: The Center of the Universe](#)
- [Dinner Cruise on the Emerald Star](#)

Fremont: The Center of the Universe

Since the early 1970s some Fremont residents have been referring to their neighborhood as "The Center of the Universe" (this moniker also appears on a large "Welcome" sign that tops a colorful building). The neighborhood's unofficial motto, is "De Libertas Quirkus" ("Freedom to be Peculiar"). At one time a center of counterculture, Fremont has somewhat gentrified in recent years. Nevertheless, the neighborhood still retains its quirky hipness. Fremont remains home to a controversial statue of Lenin salvaged from Slovakia by a local art lover who brought (post 1989) the statue to Fremont with money raised through a mortgage on his house. A few blocks up the road from Lenin is the Fremont Troll, a community-based art project, which lurks under the north end of the Aurora Bridge. Signs throughout Fremont give such helpful advice as "Set your watch ahead five minutes," "Set your watch back five minutes" and "Throw your watch away." A variety of other displays of public art and oddities also await you. Besides the bountiful and odd assortment of visual arts, there are an equally interesting variety of boutiques and local restaurants (including a local fair-trade chocolate factory) in which to spend your time and money. And when you get tired of art and shopping, you can take a leisurely stroll along the water in Canal Park.

To learn more about the Fremont area, visit: <http://www.fremontseattle.com/>.

↑ Top of Page

Dinner Cruise on the Emerald Star

See Seattle and its landmarks from a unique perspective - aboard a Waterways Cruises luxurious yacht. During the cruise you will enjoy stunning views of the Seattle skyline and Mt. Rainier. You will also pass by some of the homes of Seattle's rich and famous (such as Bill Gates), quaint houseboat communities including the "Sleepless in Seattle" houseboat, and many sites of local and historical interest. Your dinner, while you enjoy the scenery, will include pulled pork sandwiches with an onion brioche, cherry smoked grilled chicken, roasted baby red potato salad, poppy seed honey coleslaw, watermelon, and chocolate chip cookies. There will be a cash bar for those who fancy something beyond water, iced tea, hot tea, and coffee.





Problems with ROT

- Creates confusion and erodes user confidence
 - Multiple versions, misleading content
- Causes problems with search, ours and others
- Costly to maintain, pay for backup so pay ROT storage twice
- Increase WebCMS migration cost



Why ROT? Why Now?

- ROT removal is the single biggest thing that can be done to improve EPA web site performance and user experience
- EPA's key drivers for ROT elimination
 - Adoption of a new Web strategy
 - Goal to tag and migrate static content into a WebCMS, which requires significant cost and effort
 - Removing existing ROT avoids wasted tagging and migration costs
- EPA's ROT objectives
 - Adopt a standard process for identifying and treating ROT on an ongoing basis to maintain site usability and validity



Current EPA.gov

- Current EPA.gov
 - 288 registered TSMSS domains
 - 541,437 HTML files (as of 1/4/10) (growth of 74,000)
 - 261,340 PDF files (as of 1/4/10) (growth of 61,000)
 - Estimated \$10M+ annual cost
 - Low user satisfaction based on ACSI scores
- Vision for new and improved EPA.gov
 - Streamlined entry-point with hooks into the larger collection
 - Well-tagged content for improved search and indexing
 - Better context for information access



Records

- Frequent Questions about Web Sites and Records

<http://www.epa.gov/records/faqs/webrecords.htm>



Preventing Future ROT

- One of the top 3 complaints from the ACSI report
 - Customers not sure they have the most recent information
 - Erodes credibility and authority of EPA.gov content
 - ROT content leads to poor judgment of all content
- Content type tied into Review Cycle



Content Type Review Cycle

Content Types	Review Cycle
Announcements & Schedules	3 months
Collections & Lists	annual
Contact Information	3 months
Data & Tools	annual
Overviews & Factsheets	annual
Policies & Guidance	annual
Reports & Assessments	3 years
Speeches, Testimony & Transcripts	3 years



Content Type Review Cycle

- Each web page will be tagged with metadata for Content Type
- Each Content Type has a review cycle
- Web editors will identify and treat suspected ROT based on the review cycle date or before
 - Web editors will treat ROT as it is found



ROT Treatment Options

- Remove from public server
- Update and republish – content is still useful but changes are needed to make it current and accurate. Resets clock on review cycle date.
- Validate and republish – content is OK as is. Resets clock on review cycle date.



ROT Tools

- Webman – provides high level overview of file age
<http://cfint.rtpnc.epa.gov/webman/webman/index.cfm>
- Maxamine (now Accenture) QA Reports – provides duplicate files report
<https://maxamine.epa.gov/maxcentral/>
- Robots.txt
<http://www.epa.gov/robots.txt>
- ROTtweiler Reports
<http://intranet.epa.gov/webmvall/rot/out2.html/index.htm>



Webman

- Mile high view
- Total number of files
- Age of the files
- Also shows:
 - Number of external links
 - Pages with external links
 - Top level external links (We aren't supposed to link to the top level page. We are supposed to link to related content.)
 - OMB requirement to review external links every 3 months



File Information for agingepa:

Disk Space (MB)

Paid For: 693

Used: 387

% Used: 56

Type of Files	HTML	PDF	TEXT	IMAGE	OTHER	Total Files
# of Files	1,788	383	0	383	143	2,697

Ages of files (updated monthly) as of December 23, 2009 for agingepa:

Time Frame	30 Days	120 Days	1 Year	2 Years	> 2 Years
# of Files	219	1,721	202	314	241
% of Total Files	8	64	7	12	9
# of IMAGE Files	0	17	134	130	102
# of HTML/HTM Files	172	1,545	26	45	0
# of OTHER Files	35	5	13	58	32
# of PDF Files	12	154	29	81	107

External Link data for agingepa:

Information last updated on	11/03/2009
Count Description (Glossary)	Count
Total # of External Links	3581
Pages with External Links	696
Unique External Links	2003
External Hosts	815
Links to Top Level of External Web Sites	1667



Maxamine

- <https://maxamine.epa.gov/maxcentral/>
- We're just looking at the Redundant File report for ROT purposes
 - QA report provides a lot of actionable info
- Shows duplicate files and their paths. Helps eliminate duplicates
- Idiosyncrasies
 - Our aliases confuse it. Appear as dups but they're not
 - /test/ and /test/index.html appear as dups but they're not



Redundant File Control Report

Redundant File Control (96.3)

Sites that score well have few or no duplicate images, documents, or pages. (Expand)

[Show Scorecard](#)

[Expand All](#), [Print](#)

Scan Date: November 17, 2009



Report Date: November 17, 2009
% Unscanned: 12.8% (43 of 335 objects)
Site: www.epa.gov
Leaderboard Name: appcdwww
File: appcdwww_2009-11-17_2215.max
Total data size: 125,736.30 KB (including pages, images and documents)
Total data size: 125,736.30 KB in 292 objects (excluding objects with queries)
Total redundant data size: 230.23 KB (including repeated pages, images and documents)
Percentage wasted space: 0.2
Redundant documents/images: 10
Redundant HTML pages: 4

Redundant Images and Documents

[+ about this section](#)

[appcdwww/apb/images/trunk.jpg](#) - 28.02 KB

[+ is linked by one page](#)

[appcdwww/ecpb/images/trunk.jpg](#) - 28.02 KB

[+ is linked by one page](#)

[appcdwww/apb/images/RSDsetup.jpg](#) - 22.67 KB

[+ is linked by one page](#)

[appcdwww/ecpb/images/RSDsetup.jpg](#) - 22.67 KB

[+ is linked by one page](#)

[appcdwww/apb/images/car.jpg](#) - 25.51 KB

[+ is linked by one page](#)

[appcdwww/ecpb/images/car.jpg](#) - 25.51 KB

[+ is linked by one page](#)



Not Duplicate Files

- But it is inconsistent coding

about this section

[aging/styles/jquery.js](#) - 60.09 KB

is linked by 8 pages

[aging/resources/thesenseofwonder/2007/contest/essays/index.html](#) (Rachel Carson Contest Form | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2007/contest/photos/adults.html](#) (Rachel Carson Contest Form | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2007/contest/photos/children.html](#) (Rachel Carson Contest Form: Intergenerational Photography - Children | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2007/contest/poetry/8-under.html](#) (Poetry Finalists: 8 and under | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2007/contest/poetry/9-over.html](#) (Poetry Finalists: 9 and over | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2007/contest/vote.htm](#) (Rachel Carson Contest Form | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2008/finalists.html](#) (2008 Rachel Carson Finalist | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2008/index.html](#) (Rachel Carson Contest Winners 2008 | Aging Initiative | US EPA), line 20, embedded link

[agingepa/styles/jquery.js](#) - 60.09 KB

is linked by 4 pages

[aging/resources/thesenseofwonder/2007/finalists.html](#) (Rachel Carson Sense of Wonder 2007 Contest Finalists | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2007/index.html](#) (Rachel Carson Sense of Wonder 2007 Contest Winners | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2009/finalists.html](#) (Rachel Carson 2009 Finalists | Aging Initiative | US EPA), line 20, embedded link

[aging/resources/thesenseofwonder/2009/index.html](#) (Rachel Carson Sense of Wonder 2009 Contest Winners | Aging Initiative | US EPA), line 20, embedded link



Inconsistent Code

```
<script type="text/javascript" src="../../../styles/jquery.js"></script>
```

```
<script type="text/javascript" src="../../../styles/thickbox.js"></script>
```

```
<link rel="stylesheet" href="...../styles/thickbox.css" type="text/css" media="screen" />
```

.....

```
<script type="text/javascript" src="http://www.epa.gov/agingepa/styles/jquery.js"></script>
```

```
<script type="text/javascript" src="http://www.epa.gov/agingepa/styles/thickbox.js"></script>
```

```
<link rel="stylesheet" href="http://www.epa.gov/agingepa/styles/thickbox.css" type="text/css" media="screen" />
```

.....



Maxamine Broken Link Report

- Broken links are ROT. They're outdated.
- Maxamine QA report includes a broken link report.
 - Run monthly
 - OMB quarterly external link requirement
- Regular maintenance makes this an easy task.



Robots.txt

- <http://www.epa.gov/robots.txt>
- This list shows the directories on the epa.gov website that are hidden from our search engine
 - Why are the files hidden? If you don't want the search engine to find it, why is it posted on the public web site?



Using the ROTtweiler reports

- <http://intranet.epa.gov/webmvall/rot/out2.html/index.htm>
- There are 3 reports in the ROTtweiler
 - File Inventory
 - Orphan
 - Unloved
- NOTE: Before taking action on your files, capture a copy of your files



File Inventory Report

- Listing of all files in a tssms area
- On initial ROT review by content owners, **every file** should be reviewed
- Spreadsheet for File Inventory Report:
 - Checking the remove column doesn't do anything. Just a signifier.
 - To track your files, keep the spreadsheet that you start with. They are updated frequently.



Example Items to check

- /test/ directories
- Password protected directories
- Made up extensions
- Files labeled old, bak, backup
- Duplicates
- Old files
- Local copies of Agency images (e.g.; exit and other common images)
- Non-web formats (e.g.; PPT)



Items to Check continued

- Old conference material
- Local copies of Federal Register notices
- Local copies of EPA press releases
- Old newsletters
- Old calendars
- Non-EPA material (e.g.; NIH press releases)
- .noindex directories. If you're hiding it, do you need it?



Note:

- Things with an EPA report number, you do not want to delete.
- Make sure NEPIS has a copy.



Orphan Reports

- Appearing on this report doesn't guarantee a file is an orphan. Verify that orphan files are not used in your web area.
- 404 and ThankYou files are orphans but used by your web area.
- /nerl/ vs /nerl/index.html. Program doesn't know the difference.
- On the orphan list if:
 - It's in a password protected directory
 - The crawler crawls the space before the file is moved



Unpopular/Unloved Reports

- Files that have not had any requests since June 8, 2008. Info comes from logs used for Maxamine reports. We do not have older data available. It will accumulate from this point on.
- Once loved, always loved.



Example: Duplicate Images

2007-06-08	lucy1.gif	/education/site_kids/images/	20350
2007-06-08	lucy1.gif	/education/site_kids_spanish/images/	20350
2007-06-08	lucy1.gif	/education/site_students/images/	20350
2007-06-08	lucy1.gif	/education/site_students/images/lucy/	20235
2007-06-08	lucy1.gif	/education/site_students_spanish/images/lucy/	20235
2007-06-08	lucy10.gif	/education/site_kids/images/	22826
2007-06-08	lucy10.gif	/education/site_kids_spanish/images/	22826
2007-06-08	lucy10.gif	/education/site_students/images/	22826
2007-06-08	lucy10.gif	/education/site_students/images/lucy/	19189
2007-06-08	lucy10.gif	/education/site_students_spanish/images/lucy/	19189
2007-06-08	lucy11.gif	/education/site_kids/images/	30876
2007-06-08	lucy11.gif	/education/site_kids_spanish/images/	29560
2007-06-08	lucy11.gif	/education/site_students/images/	30876
2007-06-08	lucy11.gif	/education/site_students/images/lucy/	26010
2007-06-08	lucy11.gif	/education/site_students_spanish/images/lucy/	18447



Example: Old test directory

2003-07-29	fin000.html	/oar/oaqps/eog/course/test/	4942
2003-07-29	fin001.html	/oar/oaqps/eog/course/test/	5014
2003-07-29	fin002.html	/oar/oaqps/eog/course/test/	4959
2003-07-29	fin003.html	/oar/oaqps/eog/course/test/	5010
2003-07-29	fin004.html	/oar/oaqps/eog/course/test/	5031
2003-07-29	fin005.html	/oar/oaqps/eog/course/test/	5378
2003-07-29	fin006.html	/oar/oaqps/eog/course/test/	5015
2003-07-29	fin007.html	/oar/oaqps/eog/course/test/	5100
2003-07-29	fin008.html	/oar/oaqps/eog/course/test/	5044
2003-07-29	fin009.html	/oar/oaqps/eog/course/test/	5038
2003-07-29	fin010.html	/oar/oaqps/eog/course/test/	5165
2003-07-29	fin011.html	/oar/oaqps/eog/course/test/	1137:



Example: Duplicate Content/Out of Date Content

Calendar - 2003

This calendar contains listings of special events related to aging and the environment. You can click on the links to learn more about these conference and

[September] October [November]			
Sun	Mon	Tue	Wed
			1 Clean Water Act Anniversary
5	6	7	8
12	13	14 Generations United Conference Pre-Conference Intensive on Intergenerational Environmental Programs	15 Generations United Conference

Aging Initiative

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Events Archive

2003

Date	Event
November 21-25, 2003	The Gerontological Society of America 2003 Meeting, San Diego, California <small>[EXIT Disclaimer]</small>
November 15-19, 2003	American Public Health Association, San Francisco, California <small>[EXIT Disclaimer]</small>
November 14-15, 2003	U.S. COPD Conference <small>[EXIT Disclaimer]</small> Arlington, Virginia
October 15, 2003	Generations United Conference <small>[EXIT Disclaimer]</small>
October 14, 2003	Generations United <small>[EXIT Disclaimer]</small> Pre-Conference Intensive VA For information about Generations United, please visit http://www.generationsofchange.org
October 1, 2003	Clean Water Act Anniversary
September 2003	Healthy Aging Month
July 8, 2003	University of Cincinnati Department of Environmental Health Vulnerable Populations <small>[EXIT Disclaimer]</small>
June 26-28, 2003	National Association of Nutrition and Aging Services Program
June 19, 2003	National Asthma Education and Prevention Program Annual Meeting



Example: Outdated

Calendar - 2003

This calendar contains listings of special events related to aging and the environment. You can click on the links to learn more about these conference and

[September] October [November]			
Sun	Mon	Tue	Wed
			1 Clean Water Act Anniversary
5	6	7	8
12	13	14 Generations United Conference Pre-Conference Intensive on Intergenerational Environmental Programs	15 Generations United Conference

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Events Archive

2003

Date	Event
November 21-25, 2003	The Gerontological Society of America 2003 Meeting, San Diego, California <small>[EXIT Disclaimer]</small>
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November 14-15, 2003	U.S. COPD Conference <small>[EXIT Disclaimer]</small> Arlington, Virginia
October 15, 2003	Generations United Conference <small>[EXIT Disclaimer]</small>
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October 1, 2003	Clean Water Act Anniversary
September 2003	Healthy Aging Month
July 8, 2003	University of Cincinnati Department of Environmental Health Vulnerable Populations <small>[EXIT Disclaimer]</small>
June 26-28, 2003	National Association of Nutrition and Aging Services Program
June 19, 2003	National Asthma Education and Prevention Program Annual Meeting



Example: Unloved and Old

- PPT not a Web format
- They are duplicate files
- One is named (old)
- They are 2004 docs no matter what the file server date says.

7/24/2007	Meeker-20041115.ppt	/panel/pdfs/	Meeker-20041115.ppt	ppt	3043840
7/24/2007	meeker-20041115(old).ppt	/panel/pdfs/	meeker-20041115(old).ppt	ppt	3298304



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