

2009 UHL Laboratory Symposium

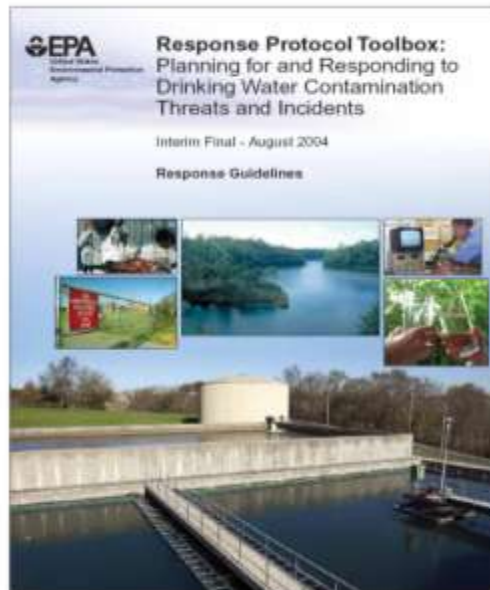
Drinking Water Emergency Preparedness



Michael D. Wichman
April 27, 2009

EPA

Response
Protocol
Toolbox



http://www.epa.gov/watersecurity/pubs/rptb_response_guidelines.pdf

EPA SAM 4.0



<http://www.epa.gov/sam/reportSAM092908.r>

EPA WCIT Water Contaminant Information Tool

<http://www.epa.gov/wcit/index.html>

U.S. ENVIRONMENTAL PROTECTION AGENCY

Water Contaminant Information Tool

Home | Search | About | Contact | Privacy Policy | Accessibility

The Water Contaminant Information Tool (WCIT) is a secure, online database that provides information on chemical, biological, and radiological contaminants of concern for public health.

Access to the protected information will be granted to select personnel for drinking water and wastewater utilities, State Primary (primary enforcement) agencies, Federal officials (including government laboratories, national, state health agencies, and other researchers).

To apply for access to the WCIT database, visit: www.epa.gov/wcit

If you have already been granted access to the WCIT database, login at: www.epa.gov/WCIT/Default.aspx

- What is a "contaminant of concern for public health?"
- How will the WCIT database help enhance water quality?
- Who will have access to the WCIT database?
- What are the data sources for the WCIT database?
- What are the data sources for the WCIT database?

Who will have access to the WCIT database?

Access to this protected information will be granted to personnel from drinking water and wastewater utilities, State Primary (primary enforcement) agencies, and Federal officials (including government laboratory personnel). EPA is granting primary access individuals to access the WCIT to provide information that will be used in water contamination planning and response. In addition, these groups have the necessary expertise to accurately interpret the data in the database. EPA will grant access to other types of users in the future depending on the need. In addition, one representative from each of the following associations will be granted WCIT:

- National Association of State Water Agencies (NASWA)
- National Rural Water Association (NRWA)
- Water Environment Research Foundation (WERF)
- Water Quality Institute (WQI)
- National Association of State Drinking Water Administrators (NASDWA)
- Association of Metropolitan Water Agencies (AMWA)
- National Association of Water Companies (NAWC)
- Water Environment Federation (WEF)

EPA Water Contaminant Information Tool

Who has access to the WCIT database?

- Access to this password-protected tool is provided through EPA CDX
- Granted to personnel from drinking water and wastewater utilities, State Primacy (primary enforcement) Agencies, and federal officials (including government laboratory personnel).

<http://www.epa.gov/wcit/index.html>

EPA DW National Response Plan



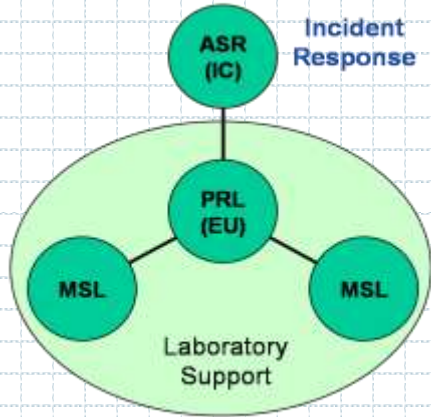
- Regional Plans Developed
- Regional Tabletop Exercise
- Regional Functional Exercise
- Draft National Plan

EPA WLA NRP

Analytical
Services
Requester

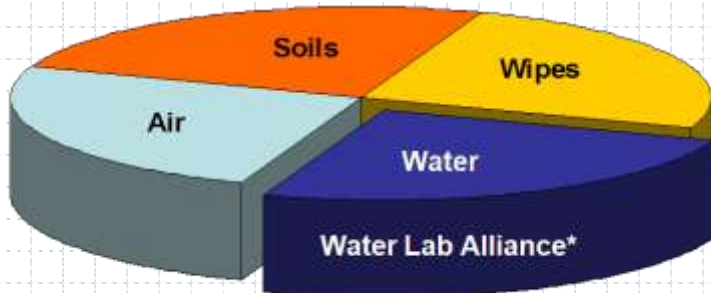
Primary
Response
Laboratory

Mutual
Support
Laboratory



EPA -ERLN

Environmental Response Laboratory Network (ERLN)





Iowa's

Chemical, Biological, Radiological,
Nuclear, and Explosive Threat
Agent (CBRNE) Protocol Model

*An Integrated Response Model to Protect
the Citizens of Iowa*

Iowa CBRNE

Tab 13*
Water Supply
Terrorism/
Vandalism

- Flow Chart
- Threat Protocol
- References



Water Supply Emergency Collection Kits

- Purpose –
 - Complete kit ready to go, no delay in obtaining bottles etc.
 - Expedited sampling and transport
 - All players on the same page
 - Instructions, COC included with each kit



Water Supply Emergency Collection Kits



Emergency Preparedness

- *Contact Information*

Michael D. Wichman, Ph.D
University Hygienic Laboratory
University of Iowa

michael-wichman@uiowa.edu
(319) 335-4479

