



**Cincinnati, Ohio**

**Superfund Division  
Emergency Response Branch**



## ENVIRONMENTAL PROTECTION AGENCY

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Emergency Response Branch

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National Response Center  
800-424-8802



- 
- **Roles & Responsibilities**
  - **Resources**
  - **Emergency Responses**
  - **Time-Critical Removal Actions**
  - **Oil Responses**
  - **WMD Response**



# Roles and Responsibilities On-Scene Coordinator (OSC)

- **Protect human health and environment**
- **Respond to releases of oil and hazardous substances (NRC)**
- **Responsible for assessment and management of removal activities under CERCLA (Superfund) and OPA 90**



ATSDR

Department of Health and Human Services

Agency for Toxic Substances & Disease Registry

Ohio.gov  
So much to discover.

Ohio Department of  
**HEALTH**

**OhioEPA**





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# U.S. EPA Response Capability



			Emergency Response
Decontamination			
Radiological Monitoring			
	Chemical Detection		Logistical Support

- EPA Response Capability Catalog prepared in March 2008
- Highlights response capabilities of EPA:
- Region V OSCs
- Region V equipment
- ERT
- NDT
- RERT



# EPA Response Equipment



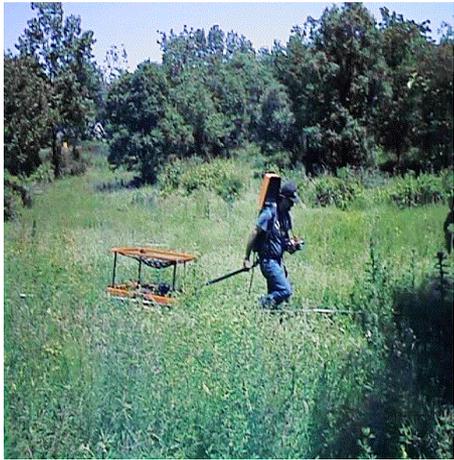


# Mobile Command Post



# EPA Environmental Response Team

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# U.S. Coast Guard Resources

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# Emergency Responses



**Residential Incidents - Mercury & Pesticide Spills**



# Mount Healthy Mercury Response - 2008



**Mercury spilled at a residence.**



# Mount Healthy Mercury Response - 2008



**Visible mercury removed with mercury vacuum.  
Note: Grids. Mercury spread via leaf blower to adjacent yard**

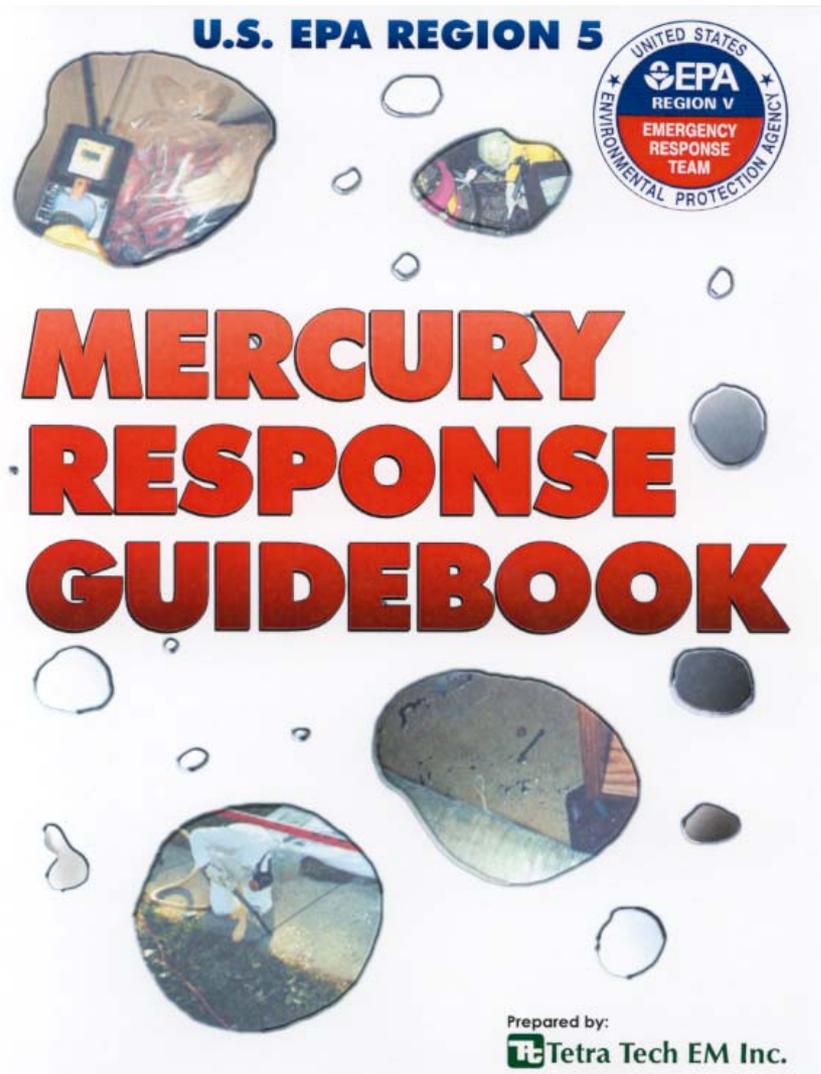


# Mercury Response – Air Monitoring



[http://www.ert.org/respns\\_resrcs/mercury\\_response\\_guide\\_index.asp](http://www.ert.org/respns_resrcs/mercury_response_guide_index.asp)

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# Emergency Responses

## Railroad and Highway Incidents





# Emergency Responses

## Chemical Fire

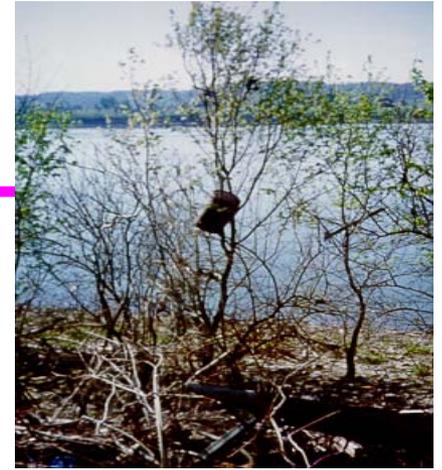
### Queen City Barrel (2004)



EPA Air Monitoring



# Emergency Responses



## 1997 Ohio River Flood Response

2,300 drums recovered in 13 IN counties





# Emergency Responses

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**Tire, Plastic and Landfill Fires**



# Emergency Responses

## Fixed Facility Incident



**Tank Failure -Jan 2000**



**Tank Fire - May 1999**





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# Time-Critical Removal Action

## Drum & Soil Removal



**42,000 subsurface drums removed in Dayton**





# Time Critical Removal Action



**4,800 subsurface haz waste drums removed in Laurel, IN**



# Time-Critical Removal Action

## Abandoned Plating Facilities



Schulte Metals – Cincinnati 2007



# Time Critical-Radiation



**Radium-226**



# Time Critical-Wood Treating Site

Creosote, chrome, copper, arsenic





# Time-Critical Removal Action

## Abandoned Drums & Lab Chemicals





## Time-Critical Removal Action – Residential Lead



Lead contaminated soil in residential areas



# Time-Critical Removal Action

## Arsenic Soil Contamination



## Rose Exterminator Site Norwood, Ohio



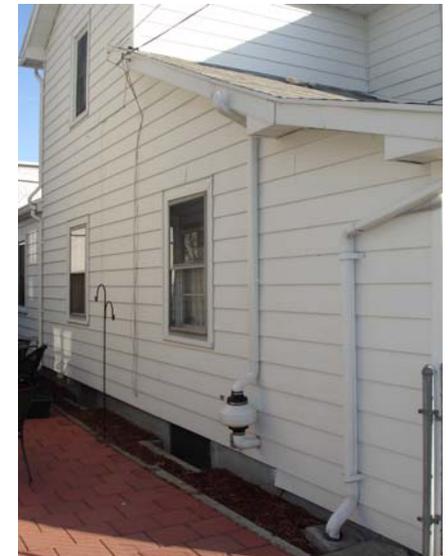
# Time-Critical Removal Action



**Installation of Drinking Water Treatment System (VOCs & Arsenic)**



# Residential Vapor Intrusion Sites





- 
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# Oil Spill - Emergency Responses





# SPCC Inspections – Oil Storage Facilities





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# 1998-2009 EPA Response Readiness Training

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# WMD Monitoring Equipment



Nuclear  
Biological  
Chemical

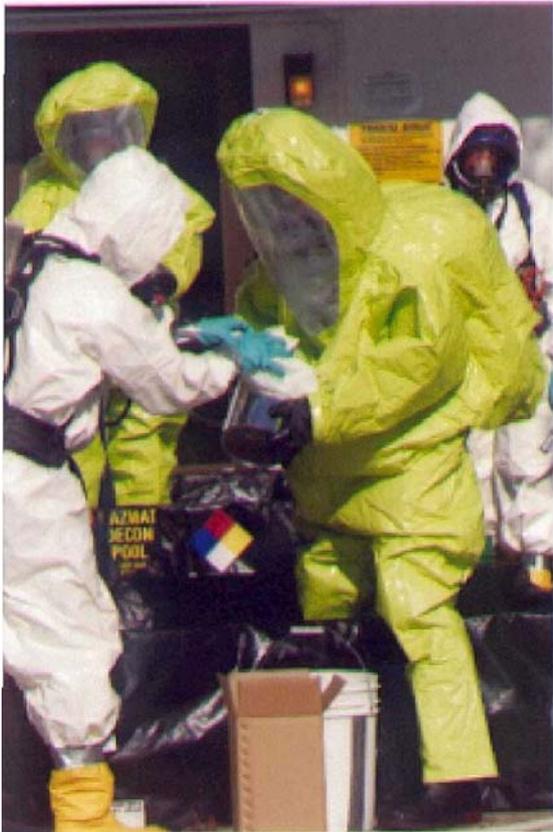


# Integrated Exercise with CID & FBI in 2002-03





# Cincinnati Anthrax Responses



# Dayton & Cincinnati Full Scale WMD Exercise

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# Indianapolis Anthrax Response





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  - **Special Projects**

# EPA R5 ICS History



2003



2005



2007



2008



# SONS 07

SR



**ICS Planning Meeting**



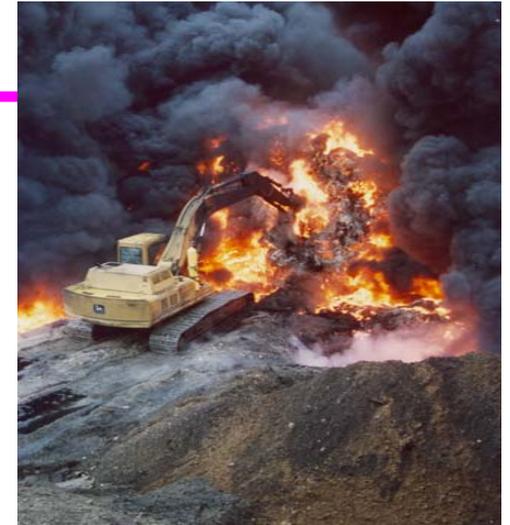
# Cincinnati Area Contingency Plan

**OhioEPA**  **IDEM**  
**Cincinnati Environmental Response Operations  
(CERO) Plan**  
March 2000



Brown, Clermont, Hamilton, Dearborn, Ohio, Switzerland, Bracken,  
Peedletoa, Campbell, Kenton, Boone, Gallatin, Carroll





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