

Environmental Response Team



“Classic” Environmental Emergency



Anything



Anytime

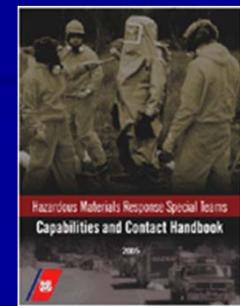
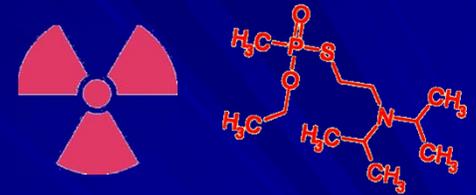


Anywhere

Designated as a Special Team in the Special Forces section of the National Contingency Plan

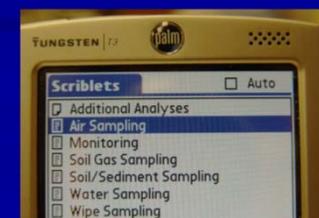
Response Capabilities

- Standard or unique multi-matrix sampling & monitoring
- Dive Unit – Experienced scientific divers
- Radiation – Detection, assessment, decontamination and disposal
- Air Dispersion Modeling – CALPUFF, HPAC & CATS, IMAAC
- Oil Spills – Standard response assistance, forensic investigation analytical techniques
- Health and Safety- technical assistance, CBRN HASP
- Information Management Technology – WebEOC, Scribe
- Cited in 2005 Coast Guard Hazardous Materials Response Special Teams Capabilities and Contact Handbook



Resources

- Trace Atmospheric Gas Analyzers (TAGA) – real-time capabilities, developing spectra and calibration curves for CWAs
- Dive Unit – Sector and side scan sonar, Cobra-Tac Navigation and mapping
- Radiation Resources – Exploranium, Gamma Spec, Genetron, SAM 935
- CT sampling & monitoring – BTA 550, AP2C, ADP 2000, Lumex, SENSIR Travel/IR
- Oil Spills – Fluorometry
- Information Management Technology – WebEOC, Scribe, PDA Scriplets for OS Palm, Windows CE

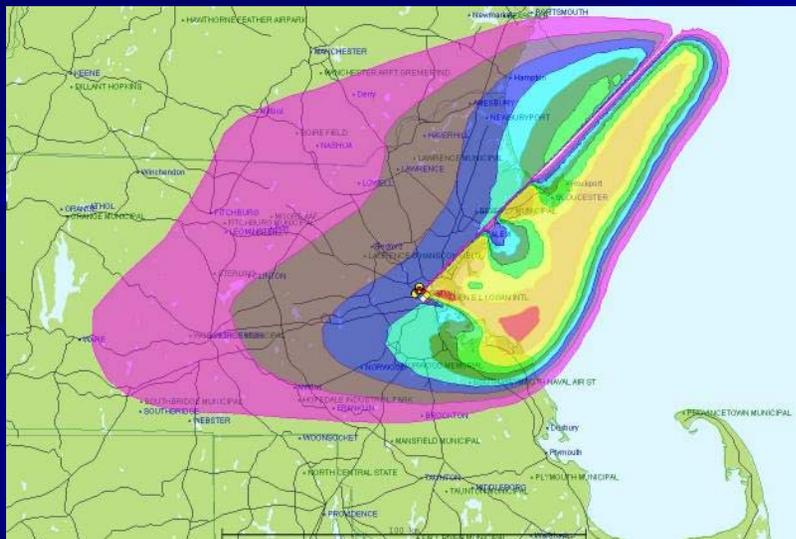


ERT IS YOUR INLAND SSC



Air Surveillance / Modeling

- Air investigations (fixed/mobile; indoor/ambient)
- Rapid deployment of near real-time & real-time instruments (VOCs, acid gasses, mercury, particulates, aerosols, chemical and biological agents)



- Sampling & analysis for NIOSH, EPA, OSHA, ASTM, ISO methods
- Air dispersion modeling - ALOHA to HPAC, IMAAC

Homeland Security

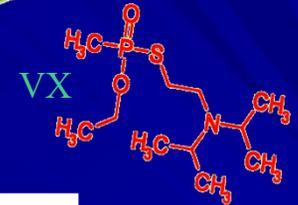
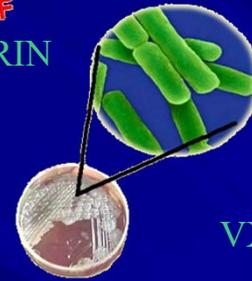
- Chemical and biological agent detection and sampling
- Decontamination strategy design, implementation and monitoring
- Fast track Technical Bulletin, Quick Guide development



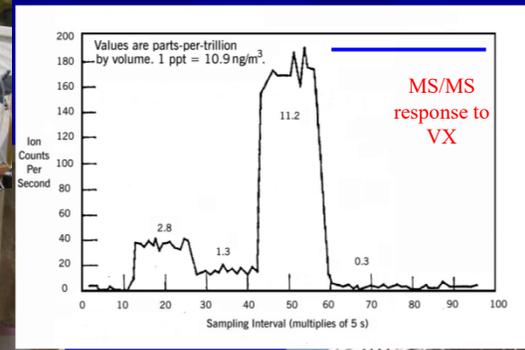
PFIB



SARIN



VX



Joe Marquette / Associated Press

Analytical Support

- Cost effective, rapid turnaround for VOCs, metals, pesticides/PCBs, BNAs in all matrices
- Mobile/on-site analytical support
- Site specific method modification or development
- Special Projects: i.e. Tissue analysis, oil fingerprinting



Joint Projects



- Microwave Assisted Process (MAP) extraction technique
- In-situ oil burn (NOBE)
- Health and Safety protocol adaptation
- Field Demo of Advanced CBRN Decontamination Technologies: Chemical Trial



Information Management Tools

- Scribe - Environmental Data Management
- WebEOC Daily Operations – NRC Spill Reports
- WebEOC ICS – IAP Generation, incident communication
- Response.epa.gov – Public/Private Access Websites
- RCMS - Cost Tracking
- Train Trax –H&S training tracking
- NEMS – National Equipment Inventory



LocationID	Online Since	Last Reset	Last Update	# of Records
ERT - Cincinnati, OH	10/01/2004	2/1/2006 6:22:04 PM	2/1/2006 6:22:06 PM	336
ERT - Edison, NJ	02/17/2005	12/20/2005 5:16:10 PM	2/13/2006 5:12:18 PM	3700

0017703	Operations Section Technical Specialist	New Orleans, LA	(OPS) Debris Site Assessment Team Leader - Landfill Inspection RCRA Solid Wa... More				2006/02/15	2006/03/07	REQUESTED
0016645	Command Comm. Involvement Coord.	New Orleans, LA	(OPS) Community Involvement Volunteer C - Region 2 Stationed at the IMT ... More		Region 02	Monica Vaussen	2006/03/18	2006/03/31	SUPPLIED
0016141	Operations Section Task Force Leader	New Orleans, LA	(OPS) Plaquemines Parish Task Force Team Leader 24 (RPM/RSC) Travel dates ... More		Region 01	Diane Switzer	2006/03/01	2006/03/21	SUPPLIED

Region 5 Grosse Ile	01/26/2005	3/11/2005 12:18:00 PM	4/18/2005 8:55:19 AM	350
Region 6	01/10/2005	8/31/2005 1:46:08 PM	2/12/2006 9:03:27 PM	584
Region 7	09/29/2004	12/22/2005 4:39:48 PM	2/13/2006 4:59:02 PM	1116
Region 8	12/28/2004	2/13/2006 7:06:07 PM	2/13/2006 7:53:39 PM	814
Region 9	03/03/2005	3/3/2005 10:57:14 AM	3/3/2005 12:20:54 PM	617

WebEOC 6 Login:



Training / Health & Safety

- Provide training for over 30 years
- Over 20 courses: basics to technically focused
- Specialty course development
- Integral to health and safety (H&S) guidance development
- Designated Center of Excellence for H&S for Emergency Response



Center of Excellence



Health & Safety
for Emergency Response

Technical Bulletins

Recommended Occupational

United States Environmental Protection Agency Office of Solid Waste and Emergency Response Publication 9285.2-14FS
EPA/540-F-00-25 May 1999



**Available Health and Safety Guidance:
Hazardous Waste Operations and Emergency
Response**

Pox

United States Environmental Protection Agency Office of Emergency and Remedial Response Publication 9285.1-03
Washington, DC 20460 June 1992

Superfund

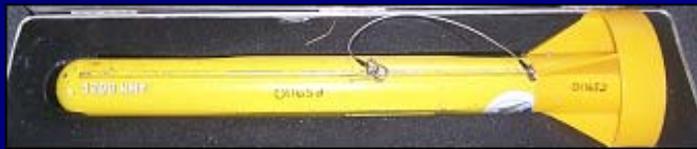


**Standard Operating
Safety Guides**

www.ert.org

Dive Unit

- Remote and underwater search & recovery
- Evidence collection for civil & criminal oil and chemical spills
- Experienced contaminated water/scientific divers
- Sediment bed mapping



International Response

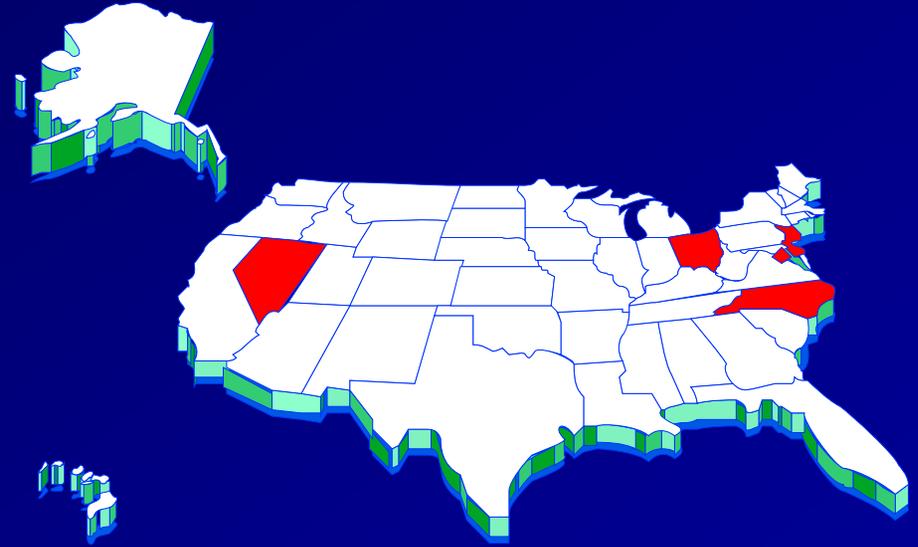


Recent responses:

- Vietnam - Region 9, extent of Agent Orange, dioxin in Da-Nang
- Australia – Thermal Unit evaluation and shakedown
- Israel – Ramat Horav Industrial Park: treatment options
- Taiwan – Benzene tanker
- China - Nitrobenzene

Environmental Response Team

- Established in 1978
- Multidisciplinary 44 member staff
- 5 locations
- Available to respond
24 / 7 / 365



Edison, New Jersey

Washington, DC

Cincinnati, OH / Erlanger, KY

Research Triangle Park, NC

Las Vegas, Nevada

Accessing ERT

- 24/7 Access
732-321-6660

