Environmental Response Team
Special Team Under the National Contingency Plan

Established 1978

ERT Operations

Harry R. Compton - Director
Marc S. Greenberg, Deputy Director - East
Dennisses Valdés, Deputy Director - West
U.S. EPA Environmental Response Team

- Established Under the NCP in 1978 (40CFR300.145)
- ERT Staff - Expert Assistance to OSCs/RPMs/Foreign Governments
- Access to 100+ Technical Support Contractor Staff
- Focus: “classic environmental” emergencies and site remediation
  - Characterization
  - Sampling / monitoring
  - Hazard evaluation
  - Risk Assessment
  - Health and Safety
  - Decon/Disposal
  - Remediation
Staff by Location (as of 7/24/12) – Includes SEEs

Edison, NJ (24)

Research Triangle Park, NC (1)

Cincinnati, OH/ Erlanger, KY (2/4)

Las Vegas, NV (12)
ERT FTE By Color of Money (as of May 2012)

- 19.5 Homeland Security
- 10.0 Removal
- 6.8 Remedial
ERT Priorities

- Emergency Response and Preparedness
- Innovative Technical Assistance to Regions
- Expanding Technical Expertise and Increase Experience Base on Innovative Technologies and Procedures
- Work on Precedent Setting National Priorities – policy and technical
- Provide Training in Technical and Health and Safety Areas to Improve Response Effectiveness
- Coordinate with other Agency Teams – CMAT, RERT, NCERT, NHSRC.
Programs ERT Supports

- Response to Environmental Emergencies – Oil and Hazardous Materials
- Removal Actions in Support of OSC’s
- Oil Spill Program Training and Preparedness
- Remedial site support to RPM’s
- Brownsfield (EPM)
- Enforcement (Air/CERCLA/Oil)
- Climate Change and Carbon Sequestration (related to Site Clean-up)
- Office of International and Tribal Affairs ((OITA) – capacity building and response)
ERT Participation in Removal/ER/Oil/Homeland Security Preparedness Activities

- National Incident Coordination Team (NICT) Representative for OSRTI
- Emergency Response Technical Workgroup (ERTG)
- ERT (Kovak) Serves as the Designated Safety, Health and Environmental Management Official (DSHEMO) for all of OSWER
- Serve on the OSC Readiness Training Board
- Serve on the OSC Readiness Task Force
- Serve /Chair National Response Team Subcommittees
- Annual Panama Canal Exercise Planning and Execution
- Member Homeland Security Collaborative Network (HSCN)
- Radiation Activities – FRMAC, Dose Assessment, Health and Safety, Exercises, Rad Response SOP Development, Radiation Task Force Leader (RTFL) Training
- Interagency Modeling and Atmospheric Assessment Center (IMAAC)
- Agency Dive Safety Board – Director of Special Operations
- Asbestos TRW
- Natural Resource Trustee Coordination
- OSWER Contact on Tribal Science Issues (Nat’l Tribal Science Council)
ERT Participation in Removal/ER/Oil/Homeland Security Preparedness Activities (Cont’d)

- Regional Response Teams (RRT)
- Predepositions
- CoreNAR Development
- Field Communications
- Environmental Response Training Program (ERTP)
- Support and Collaboration with ASPECT
- Agency Incident Command System (ICS) Development and Implementation
- Biowatch and NIMS Integration Team
- PARTNER Program (formerly known as TRIO)
- COOP/COG Planning
- Oil Area Contingency Plan Development
- Regional Exercise development and Implementation
- Oil Spill Response Training
ERT Participation in Removal/ER/Oil/Homeland Security Preparedness Activities

- Mercury Response Workgroup
- Wide Area Response Recovery Project (WARRP)
- Nuclear Incident Response Team (NIRT)
- US Army (ECBC) Interagency Agreement – CBRN Reachback
- Environment Canada Interagency Agreement – CBRN/ER Collaboration
- Information Technology Forum (IT Forum)
- Serve as Chair of the United Nations Advisory Group on Environmental Emergencies – Steering Committee
- National and Regional Exercises
### 2011 Total Expenditures and 2012 Budgeted

*(includes travel, expenses, contracts, training and working capital fund – does not include salary)*

<table>
<thead>
<tr>
<th></th>
<th>Dollars</th>
<th>Percentage</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOVAL</td>
<td>7,067,235.00</td>
<td>49%</td>
<td>(FY12 Op – 53%)</td>
</tr>
<tr>
<td>HOMELAND SECURITY</td>
<td>1,937,573.00</td>
<td>13%</td>
<td>(FY12 Op – 12%)</td>
</tr>
<tr>
<td>REMEDIAL</td>
<td>5,580,583.00</td>
<td>38%</td>
<td>(FY12 Op – 35%)</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>14,585,391.00</strong></td>
<td><strong>100%</strong></td>
<td></td>
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</tbody>
</table>
ERT Base Contract Funding has dropped from $24,400,000 in FY 2001 to $20,800,000 in FY 2005 to $13,900,000 in FY 2012 .............a 57% decrease.
## Additional Funds Into ERT In FY2011 ($8,442,074.00)

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remedial Site - Regions</td>
<td>$3,961,087.00</td>
</tr>
<tr>
<td>Removal Site - Regions</td>
<td>$2,009,960.00</td>
</tr>
<tr>
<td>Removal -- From OEM</td>
<td>$315,000.00</td>
</tr>
<tr>
<td>Homeland Security -- From OEM</td>
<td>$708,000.00</td>
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<tr>
<td>--- From Regions</td>
<td>$257,460.00</td>
</tr>
<tr>
<td>Oil From OEM</td>
<td>$450,000.00 (H and HR)</td>
</tr>
<tr>
<td>Oil From Regions</td>
<td>$60,000.00 (Training)</td>
</tr>
<tr>
<td>IAG – Funds In</td>
<td>$102,619.00</td>
</tr>
<tr>
<td>Other (B,BR,C3, HR)</td>
<td>$577,948.00</td>
</tr>
</tbody>
</table>
As a result of reductions in ERT’s base extramural funding, Regions and OEM have provided an average of $6,500,000.00 per year since 2001 to perform additional work.

*Note that in 2006 that figure was $11,000,000.00*
# ERT Major Contracts and Color of Money – FY2011

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>SERAS</td>
<td>2,997,886</td>
<td>3,095,000</td>
<td>11,600</td>
<td>800,000</td>
<td>454,129</td>
<td>7,358,615</td>
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<tr>
<td>RTTS</td>
<td></td>
<td>350,000</td>
<td></td>
<td>350,000</td>
<td></td>
<td>700,000</td>
</tr>
<tr>
<td>ERTP</td>
<td>970,000</td>
<td>2,050,366</td>
<td></td>
<td>354,000</td>
<td>3,500</td>
<td>3,378,366</td>
</tr>
<tr>
<td>HazTrai</td>
<td></td>
<td>200,000</td>
<td></td>
<td></td>
<td></td>
<td>200,000</td>
</tr>
<tr>
<td>IT</td>
<td>113,000</td>
<td>1,114,171</td>
<td>86,500</td>
<td></td>
<td></td>
<td>1,313,671</td>
</tr>
</tbody>
</table>
The Firehouse – The Cost of Readiness – SERAS
Core Readiness Work Assignments (Approx $ 6,982,000.00)

- Program Management: $1,920,000  
  - Dive Operations: $73,000
- Laboratory: $1,620,000  
  - BTAG: $60,000
- TAGA: $1,000,000  
  - Engineering: $30,000
- Air Monitoring: $840,000  
  - Video: $25,000
- Las Vegas Operations: $600,000  
  - Human Health: $12,000
- Quality Assurance: $300,000
- Health and Safety: $240,000
- Geology: $132,000
- Bioremediation: $130,000
Environmental Response Training Program
(Approximately $ 3,578,366 – Two Contracts)

- ERTP Traditional Training - 40 hour hazwoper courses, 8 hour refreshers, air monitoring, groundwater monitoring, ICS, other technical courses
- ERTP Exercise Design and Implementation - Regional, Local, IMT, and OSC Level A, Liberty Rad Ex
- OSC Readiness
- FY 2011 168 classes and trained 4,500 students, 70,000 + hours
- Attendance 60% Regions, 20% states, 10% Other Feds, 10% locals/tribal
- Two Contracts – Large Tetratech and Small Business Set-aside
Information Technology and Management Contracts
(Approximately $ 1,313,671.00)

- Web EOC
- Scribe and Scribe.NET
- EPAOSC.ORG and Associated Websites
- Removal Cost Management System (RCMS)
- Telemetry Support (Viper and Rat)
- Help Desk – 800 Number
- Emergency Response – “In the Field” set up of systems and trouble shooting
- Unique Designs for Specific Sites
- Information Technology/Management Evaluation and Development - Innovation
Erlanger RTTS Contract and Warehouse  
(Approximately $ 700,000.00)

- Emergency Response Support
- Radiation Preparedness and Response
- Predeployment technical support
- Equipment Readiness
- Field mapping support
- Radiation Task Force Leader Training
- Conflict of Interest Backup
Interagency Agreements

- Funds IN and Funds Out IA’s
- Nuclear Regulatory Commission – Multi–Agency Radiation Survey of Materials and Equipment (MARSAME)
- Air Force – Eco Risk/Site Assessment
- Env Canada – sharing of field technology
- ECBC – quick access for WMD data and response support
- USFWS – assessment support
## ERT Support to Sites

- **Definition of ERT Site Support** - technical support that ERT provides for an emergency response, removal and remedial site, oil spill response and predeployment which may last for a few days to several years depending on the nature and complexity of the support requested by the OSC’s and RPMs.

<table>
<thead>
<tr>
<th>Program Supported in FY 2011</th>
<th>Number of Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Response</td>
<td>16</td>
</tr>
<tr>
<td>Removal Sites</td>
<td>58</td>
</tr>
<tr>
<td>Remedial Sites</td>
<td>45</td>
</tr>
<tr>
<td>Oil Spill Sites</td>
<td>11</td>
</tr>
<tr>
<td>Predeployments</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>132</strong></td>
</tr>
</tbody>
</table>
International Responses and Site Support

- Turkey
- Taiwan
- Brazil
- Australia
- El Salvador
- Russia
- Kuwait (Operation Desert Storm)
- Haiti (Earthquake and Kian Sea)
- Romania
- Thailand
- Vietnam
- Uzbekistan
- Nigeria
- Mozambique
- Sudan
- Ethiopia
- Philippines
- Costa Rica
- Honduras
- Israel
- China
- Mexico
- Venezuela
- Cameroon
- Latvia
- Kenya
ERT Contributions to the Agency’s Emergency Response, Removal, and Homeland Security Programs – A Look at the Past – That Has Already Shaped Your Future

- The “Gold Standard” for Data Management Information Management and Delivery (Scribe, Scribe.NET, epaosc.org, RCMS, WebEoc, etc)
- Health and Safety SOPs, Chapters and Levels of Protection (ABCD)
- Vapor Intrusion Investigations (formerly known as soil gas surveys)
- The only real time…….mobile laboratory that can detect compounds down to parts per trillion and parts per quadrillion – TAGA
- Activity based asbestos sampling techniques
- Analytical Method Development
- Oil Spill Response – SMART and SCAT
- Biosolids for mining sites
- Bioremediation for wood treating sites
- Mercury response and cleanup
- Training development and delivery based on the body of work that ERT and the Regions perform
Major ERT Contributions (Cont’d)

- Mechanism for video documentation of hazardous waste site and emergency response operations (ERTV)
- Low Mass High Velocity destruction of laboratory chemicals
- Implementation of telemetry aspect of remote data collection and delivery (Viper)
- Robotics investigation and evaluation
- Development of the Agency’s Incident Command System and training delivery
- International responses
- Served as contact for White House water emergencies and other incidents
- Agency’s first Bio response – Salk Institute - Pennsylvania
Thank You