



EPA S&T Activities in Support of the Hurricane Harvey Disaster Response

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Presented to the Subcommittee on Disaster Reduction
September 7th, 2017

Mission

Fundamental Agency Mission *to protect human health and the environment*

Key National Management Incident Objectives:

- **Rapid assessment of industrial facilities – Superfund and active industrial sites**
- **Rapid assessment and technical assistance to drinking water and wastewater facilities (as requested)**
- **Prepare for a sustained response plan...planning to provide support for long duration**

Role under National Response Framework

- **ESF #10 – Oil and Hazardous Materials Response: EPA is co-lead with Coast Guard**
- **Also support ESFs 3, 4, 5, 8, 11, 13, & 15**

Response Support Activities

- **Deployed 166 personnel from EPA Region 6 to impacted area. Chiefly response personnel**
- **Activated our technical reachback capability (Reachback for Emergency Response (RACER)) to provide engineering and scientific support as requested**
- **Deployed ASPECT (airborne spectral photometric environmental technology) aircraft for Superfund and industrial site overflights.**



Response Support Activities cont'd

- **Deployed two mobile laboratories:**
 - **TAGA (trace atmospheric gas analyzer) for real-time sampling of outdoor air**
 - **PHILIS (portable high-throughput integrated laboratory identification system) for on-site analysis of toxic industrial chemicals in environmental samples.**
- **Preliminary assessment of rapid turnaround field analytical methods for the detection of hazardous materials**
- **Assessment of exposure values for 16 specific toxic industrial chemicals**

