

A photograph showing two individuals in full-body blue hazmat suits working in a dimly lit, possibly industrial or laboratory setting. They are focused on a task in the center of the frame. The background is dark and indistinct.

US EPA National Decontamination Team

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Office of Emergency Management (OEM)



- The new OEM consolidates OSWER's emergency prevention, preparedness, and response duties by joining together the Oil Program Center, Emergency Response & Removal Center and the Chemical Emergency Preparedness and Prevention Office.

Aspects of the NDT....



Structural Engineers and Industrial Hygienists to assess safety of impacted structures

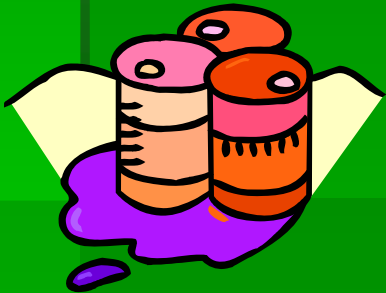
Program ASPECT



Airborne Spectral Photometric Environmental Collection Technology



Materials and HVAC Engineers to develop decon strategies for buildings



Deconologist for specialized waste treatment, transportation, and disposal options, including establishing decon procedures for unusual cases



Biochemist, chemists and toxicologists to advise on contaminant behavior and by-products

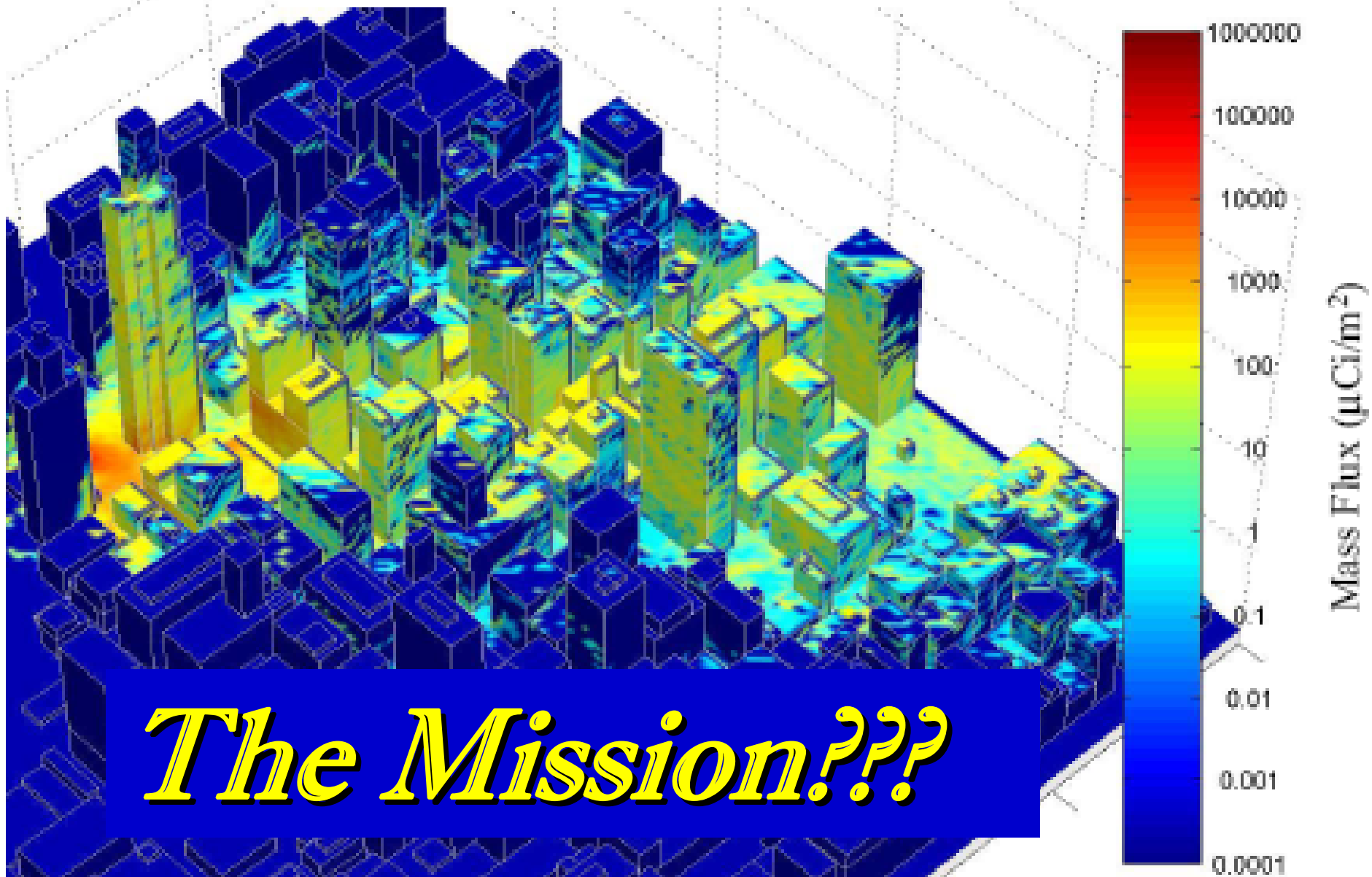


NDT Staffing Plan

- Team Leader (1)
 - *Steve Hawthorn*
- Toxicologist/MD (4)
- Management Analyst (1)
- Microbiologist (1)
- Industrial Hygienist (1)
- Biochemist (1)
- Health Physicist (2)
- Materials Engineer (1)
- Structural Engineer (1)
- Disposal Expert (1)
- HVAC Engineer (1)
- Organic/Analytical Chemist (1)
- Program Analyst (2)
- Additional non-FTEs: secretary, computer specialist, computer modeling, epidemiologist, public information officer, technical writer

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Surface Deposition at 1800s ($\mu\text{Ci}/\text{m}^2$)



The Mission???

Concept of Operations

To examine and integrate all available information, technologies, and procedures in order to support the planning, selection and execution of an environmentally sound, effective, efficient, and economical decontamination program.

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NDT Mission Elements

- Scientific and Technical
- Operational Employment
(operational art)
- Outreach, Coordination, and Training

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Strategic Objectives

- Provide technical expertise in support of regions
- Focus on effective delivery of decon options
- Enhance planning and preparedness: END-TO-END decon planning
- Enhance technical partnerships - leverage
- Provide liaison (push and pull) between field and lab
- Identify operational shortfalls

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Tasks

- Development of decon SOP's (TTP's)
- Liaison with fed, state, local partners
- Participation in key working groups
- Development of technical information
 - Decontamination science
 - Decontamination methods (pros and cons)
 - Decontamination **validation** (bench and field)
 - Decontamination resources (logistics)
 - Disposal solutions

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US EPA Partners in Decontamination



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Individual Training and Readiness

- Scientific, engineering, or medical disciplines
- First responder procedures and practices
- National Incident Management System
- NRP, NCP, and Federal Agency policies
- Regional plans and policies
- Sampling
- Risk assessment and risk communication
- Health and safety

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How Does NDT Engage in a Response?

- Selected ICS staffing by NDT members:
 - Ops, EU, Health & Safety, Reg. Offices
- Technical reach back
 - Tox, Medical / HP, IH, Engineering, Sampling...
- Specialized Equipment
 - Communications vehicle, various field equipment
- Assistance with decon resource source selection
 - Effective, validated, available, cost effective
- Interagency coordination and technical working group participation

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Why ICP and All Hazards Field Training?

- ICP participation benefits from field experience
- Field operations benefit from an ICP perspective (appreciation of management requirements)
- Reconnaissance is a crucial planning tool
- Flexibility of team employment (all experience matters)

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NDT is an All Hazards Asset and Not a *Silver Tea Set*



A flexible and available resource

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Elements of an End-to-End Decontamination Plan

- Agent identification
- Extent of contamination
- Avoidance and containment
- Priorities
- Tactics
- Logistics and cost
- Wastes and disposal
- Scheduling/Timeline
- Quality Assurance

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Operational Art

- The use of all available methods, techniques, tactics, and procedures to support effective END-to END decontamination planning.

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Questions and contact information

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