

# Emergency Support Function #10 – Oil & Hazardous Materials Response

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## ESF Coordinator:

Tucson Fire Department

## Support Agencies:

Planning & Development Services Dept.  
Building Inspectors  
Environmental Services Department  
Finance Department  
Central Safety/Risk Management  
General Services Department  
Tucson Police Department  
Transportation Department  
Stormwater Management  
Tucson Water Department  
Area Fire Departments  
Arizona Poison Control  
GIS Cooperative  
Pima County Wastewater Management

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## Primary Agency:

Tucson Fire Department

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## Purpose

The purpose of ESF #10 is to assist governmental agencies, businesses, and response entities to respond to the release of hazardous materials (HazMat) within the boundaries of the City of Tucson. These releases may result from naturally occurring events or from industrial accidents, terrorism, or illegal activities.

## Scope

The scope of ESF #10 pertains to fixed facilities with specific quantities of reportable materials, as well as releases of hazardous materials that occur as the result of transportation activities on land, over the rail system, or at facilities exempt from reporting under SARA Title III. This ESF endeavors to include contingencies for a broad range of hazardous materials events including oil spills. This ESF is intended to be coordinated with regional, state, and federal plans, should the event require inter-jurisdictional coordination.

Initiation of ESF #10 should be considered if:

- There are casualties
- There are evacuations
- There is a request for outside assistance with response or cleanup beyond existing agreements

- There is a spill or release requiring warning or notification under state or federal law
- There is a spill or release that involves multiple jurisdictions or multiple City departments

## **Situation**

### **Emergency/Disaster Conditions and Hazards**

- The City of Tucson will periodically experience hazardous materials emergency situations, which may overwhelm current capabilities that exist to resolve such incidents. Equipment and personnel may be damaged or unavailable at times when they are most needed.

### **Planning Assumptions**

- The discharge, release or misuse of a hazardous material may pose a significant threat to public health and safety.
- The City of Tucson has the primary responsibility to protect public health and safety within the City limits. City firefighters, paramedics and law enforcement officers are usually first on the scene of HazMat incidents.
- The Arizona State Emergency Response Commission (ASERC) has divided Arizona into 15 HazMat emergency planning districts. These districts are defined by county boundaries.
- Each of these planning districts has a Local Emergency Planning Committee (LEPC). LEPCs are made up of elected officials, law enforcement officers, emergency responders, emergency managers, media, community members, industry, transportation, and medical representatives. They are mandated to develop and implement comprehensive emergency response plans regarding potential HazMat emergencies/disasters within their respective planning districts (ARS §26-345).
- LEPCs will maintain a database of facilities (provided by the ASERC) that have reporting requirements under section 312 and ARS §26-350 of the Emergency Planning and Community Right to Know Act.
- Hazardous materials emergency response and recovery operations often require extensively trained teams and specialized equipment. The City of Tucson Fire Department has specially trained and equipped Hazardous Materials units that can safely and effectively respond to HazMat emergencies/disasters.
- The City of Tucson may recover HazMat emergency response costs in accordance with ARS §12-972.
- Costs arising from hazardous materials contingencies and emergencies/disasters may be paid from unrestricted monies from the State of Arizona's General Fund (ARS §35-192 and AAC §R8-2-301). The City of Tucson may be reimbursed up to \$25,000 from EPA and/or the Arizona Department of Environmental Quality (ADEQ) for costs incurred in responding to a hazardous substances emergency.
- The federal government may respond to HazMat incidents under the provisions of the Oil and Hazardous Material Emergency Support Function (ESF) #10 of the National Response Framework (NRF), EPA National Contingency Plan (NCP) (40 CFR, part 300), or USDOE Radiological Assistance Plan (RAP).
- The U.S./Mexico Joint Contingency Plan (La Paz Treaty of 1998) requires notification and activates the U.S./Mexico Joint Response Team for hazardous materials incidents occurring within 100 km (62 miles) of the U.S./Mexico Border.

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## Concept of Operations

### General

The City of Tucson Fire Department has complete responsibility for hazardous materials incidents occurring in the City. When local HazMat resources are exhausted or not available, the fire department may require a timely and effective response by regional fire departments or private sector agencies, and ultimately the state and/or federal government to assist in response to and recovery from a HazMat incident.

City of Tucson Fire Department HazMat resources may be utilized to provide support for incidents occurring outside the City limits utilizing TFD's Regional and Statewide Mutual Aid agreements or when directed by the City Manager or Mayor.

## Comprehensive Emergency Management

### Preparedness

ESF #10 primary and support agencies are responsible for ensuring that the following preparedness items are fully addressed:

- Review and revise their Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs)/Field Operating Guides (FOGs) annually
- Establish procedures for alerting their own personnel and other key employees in an Incident of Local or Regional Significance
- Update equipment and resource listings on an annual or more frequent basis, and distribute them appropriately
- Revise mutual aid agreements as needed
- Train employees on specific ESF functions
- Regularly attend scheduled tabletop exercises and all other applicable training events
- Review and analyze lessons learned in emergency/disaster incidents that have occurred elsewhere, and make appropriate corrections/additions to their respective SOPs/SOGs and this ESF

### Response

ESF #10 primary and support agencies are responsible for ensuring that the following response items are fully addressed:

- Establish an Incident Command System (ICS) upon arrival and evaluate the need for implementation of the following actions:
  - Consider precautions regarding secondary/multiple explosive devices
  - Consider the location as a potential crime scene
  - Detect the presence of hazardous materials
  - Begin identification of hazardous materials
  - Begin evacuation or direct in-place sheltering, as needed
  - Consider personal protection/decontamination
  - Isolate incident and identify zones of activity
  - Contain incident without risking exposure

- Perform firefighting, rescue, emergency medical, and other critical life saving response activities
- When necessary, reportable quantity releases and/or terrorist acts or suspected terrorist acts are to be reported to the National Response Center 1-800-424-8802; to impacted Local Emergency Planning Committees ([www.dem.state.az.us/azserc](http://www.dem.state.az.us/azserc)); and to the Arizona Department of Environmental Quality's (ADEQ) Emergency Response Unit (ERU) [602-771-2330]
- Establish and maintain contact with the Incident Commander and/or appropriate Emergency Operations Center (EOC) for instructions
- Maintain ongoing information exchange with ESF #5 – Emergency Management
- Maintain complete and accurate documentation of all related costs, actions, and communications

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## Recovery

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ESF #10 primary and support agencies are responsible for ensuring that the following recovery items are fully addressed:

- Begin the cleanup process upon successful containment of the hazardous materials
  - Cleanup will be accomplished in conjunction and cooperation with all applicable local, regional, state, federal and private sector agencies
  - A cleanup operation resulting from an act (or suspected act) of terrorism shall be carefully coordinated with local, state, and federal law enforcement agencies
- Consult with ESF #5 and ESF #14 – Long-term Community Recovery & Mitigation regarding needed recovery strategy
- Assess losses of equipment and personnel, develop estimates of monetary loss, and identify possible funding sources
- Assess the need for critical incident stress management for personnel

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## Mitigation/Prevention

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ESF #10 primary and support agencies are responsible for ensuring that the following mitigation/prevention items are fully addressed:

- Conduct threat, risk, and vulnerability assessments of key ESF infrastructure
- Review and analyze lessons learned in emergency/disaster incidents that have occurred elsewhere, and make changes where applicable
- Replace equipment, vehicles and/or personnel

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## Responsibilities

### Coordinating and Primary Agency: Tucson Fire Department

The City of Tucson Fire Department is responsible for the containment of hazardous materials in an Incident of Local or Regional Significance. Other specific responsibilities are as follows:

- Pre-incident planning and coordination
- Determine priorities for delivery of on scene hazardous materials functions

- Manage the financial aspects of the ESF #10 response, including the funding of mission assignments and/or reimbursable agreements
- Maintain ongoing contact with ESF primary and support agencies
- Conduct periodic ESF meetings and/or conference calls
- Coordinate ESF activities relating to Incidents of Local or Regional Significance, catastrophic incident planning, and critical infrastructure preparedness, as appropriate
- Coordinate training and strategies with the appropriate local, regional, state or federal agencies

## Support Agencies

Agency	Functions
Planning & Development Services Department	<p><b>Building Inspectors</b></p> <ul style="list-style-type: none"> <li>Assist with private property permit and building code regulations related to hazardous materials incidents at residential and/or commercial buildings, grading &amp; excavation sites, and land located in a floodplain</li> </ul>
Environmental Services Department	<ul style="list-style-type: none"> <li>When possible, and as needed, assist with debris clearance and management of hazardous materials</li> <li>Assist with compliance of cleanup regulations</li> </ul>
Finance Department	<p><b>Central Safety Services/Risk Management</b></p> <ul style="list-style-type: none"> <li>Provide technical assistance related to worker safety and health issues at hazardous materials incidents</li> </ul>
General Services Department	<ul style="list-style-type: none"> <li>Provide engineering assistance at hazardous materials incidents</li> <li>Provide construction assistance as needed</li> </ul>
Tucson Police Department	<ul style="list-style-type: none"> <li>Provide crowd control and traffic control as needed at a hazardous materials incident</li> </ul>
Department of Transportation	<p><b>Stormwater Management</b></p> <ul style="list-style-type: none"> <li>Assist with containment and cleanup of hazardous materials that enter, or may enter, the City's stormwater drainage system</li> </ul>
Tucson Water Department	<ul style="list-style-type: none"> <li>Coordinate the cleanup of hazardous materials that enter, or may enter, the City's groundwater</li> <li>Provide personnel and heavy equipment for hazardous materials containment and cleanup when possible, and as needed</li> </ul>
Area Fire Departments	<ul style="list-style-type: none"> <li>Assist at hazardous materials containment and/or cleanup incidents as needed</li> </ul>
Arizona Poison Control	<ul style="list-style-type: none"> <li>Provide information and expertise regarding hazardous or toxic substances in hazardous materials incidents</li> </ul>
GIS Cooperative	<ul style="list-style-type: none"> <li>Provide data mining assets in furtherance of hazardous materials containment and/or cleanup operations</li> </ul>
Pima County Wastewater Management	<ul style="list-style-type: none"> <li>Coordinate the cleanup of hazardous materials that enter, or may enter, the County's wastewater stream</li> <li>Coordinate the repair/recovery of wastewater management and treatment facilities affected by a hazardous materials incident</li> </ul>