



## EMERGENCY SUPPORT FUNCTION #10 HAZARDOUS MATERIALS



Coordinating Agency	Guernsey County L.E.P.C.
Primary Agencies	All Guernsey County Fire Departments
Support Agencies	Guernsey County EMA All Guernsey County Law Enforcement Agencies All Guernsey County EMS Agencies Guernsey County Health Department Ohio PUCO Ohio EPA Other ESF agencies as required

### I. Introduction

Hazardous materials emergency preparedness planning includes identification of all possible chemical hazards at the various facilities and involving the transport of chemical by road, rail, or pipeline within the county. The capabilities and limitations of the various emergency response agencies and organizations in personnel, equipment, and training have been evaluated.

#### A. Purpose

This Emergency Support Function (ESF) provides basic information and guidance for a coordinated response to a potential or actual hazardous material (HazMat) incident (chemical, biological, and radiological) within Guernsey County. This ESF works in concurrence with the Guernsey County Hazardous Materials Response Plan and is not intended to replace it.

#### B. Scope

1. ESF #10 provides for a coordinated response to actual or potential hazardous materials incidents. ESF #10 includes the appropriate response and recovery actions to prepare for, prevent, minimize, or mitigate a threat to public health, welfare, or the environment caused by actual or potential hazardous materials incidents.
2. ESF #10 describes the lead coordination roles, primary agencies roles, and support agencies roles along with resources that may be used to support response actions.

#### C. Policies

1. Follow policies and procedures as outlined in the Guernsey County Hazardous Materials Response Plan.
2. Initial operations will be directed toward product isolation and identification.
3. Notify appropriate local, state, and federal agencies in accordance with all applicable laws.
4. All agencies supporting hazardous materials response and recovery efforts will coordinate activities through the command structure of the Incident Command System.

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### II. Situation & Assumptions

#### A. Situation

1. The threat of a major incident involving Hazardous Materials has increased due to the growth in manufacturing, transportation, and use of chemical and radioactive material.
2. Hazardous Materials are transported daily through Guernsey County, and used and stored at several fixed sites within the County, creating a relatively high exposure to potential hazardous material incidents.
3. Areas at risk include highways, rail lines, and facilities that use large quantities of hazardous materials, such as water and wastewater facilities.
4. Terrorist incidents involving WMD, including chemical, biological, and radiological material, represent additional risks associated with hazard materials.
5. Fixed Facility Hazards
  - a. Guernsey County has five public and eleven private facilities that produce, use, or store Extremely Hazardous Substances (EHS) and 30 facilities having hazardous substances.
  - b. A listing and map identifying the location of all EHS facilities along with a complete hazard analysis of each facility is located in the Guernsey County Hazardous Materials Response plan.
6. Transportation Hazards
  - a. Highways
    - (1) Numerous types of trucks to move hazardous and extremely hazardous substances in the county utilize a combination of US, state, and local highways.
    - (2) A listing and map identifying the main transportation highways in the county along with the hazard analysis report of the transportation routes is located in the Guernsey County Hazardous Materials Response plan.
  - b. Railroads
    - (1) There are two facilities within the county that receive hazardous substances by rail.
    - (2) A listing of substances being transported to facilities within the county is located in the Guernsey County Hazardous Materials Response plan.
  - c. Pipelines. There are approximately 106 miles of pipelines which cross the county and which transport various types of hazardous substances.
7. Local responders will handle the incident initially. When local resources cannot handle the response, assistance will be requested from other counties, state agencies, and private contractors.

#### B. Assumptions

1. Natural or human-caused disasters, including transportation accidents, could result in numerous situations in which hazardous materials are released into the environment.
2. Major hazardous material incidents could threaten or harm a significant number of people within the County, with little or no warning. Additionally, severe damage could be caused to property or the environment if not immediately contained or controlled.

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3. Planning, training, and coordination of emergency response personnel will serve to reduce hazardous material hazards and associated risks.
4. A hazardous materials incident may require evacuation of the area threatened or affected by the hazardous material incident and require additional ESF(s) of this plan to be activated.
5. Evacuees may be isolated from their homes or work places for prolonged periods of time and require ESF #6 to be activated.
6. A major hazardous materials incident could quickly escalate beyond the capabilities of local responders requiring outside assistance.
7. Local fire departments will utilize the Guernsey County Hazardous Materials Response Plan for handling of hazardous materials incidents.

### III. Concept of Operation

#### A. General

1. Each hazardous materials incident presents a unique situation, requiring a unique, but interrelated response by various emergency response personnel.
2. Hazardous materials emergency conditions are outline in the Guernsey County Hazardous Materials Response Plan.
3. Hazardous material response responsibilities are outlined in the Guernsey County Hazardous Materials Response Plan.
4. Hazardous materials response levels are outlined in the Guernsey County Hazardous Materials Response Plan

#### B. Organizational Structure

1. The County has formed a Local Emergency Planning Committee (LEPC) pursuant to the Superfund Amendments and Reauthorization Act (SARA); Title III - "The Emergency Planning and Community Right-To-Know Act of 1986", Sec. 303(c). that provides oversight to hazardous material used and stored in the County by local businesses. The Guernsey County LEPC brings private industry together with public emergency response agencies for the purpose of helping to reduce the community's risks from accidents involving hazardous materials. The LEPC also participates in all-hazards planning.
2. The Guernsey County Local Emergency Planning Committee has a contract with the Guernsey County Emergency Management Agency to address planning and compliance issues.
3. The Incident Command System (ICS) will be implemented during a hazardous materials incident in accordance with the National Incident Management System (NIMS), as a joint, coordinated endeavor, serving to effect intra-agency cooperation between all authorities having responsibilities for public safety and environmental protection.
4. If the hazardous materials incident involves more that one agency or political sub-division, a Unified Incident Command system will be implemented.
5. The County EOC may be activated via the County EMA Director if, in the opinion of the IC, direction and control of the incident can be better facilitated from the County EOC.

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### C. Pre-Incident Actions

Maintain and update the Guernsey County Hazardous Materials Response Plan on a yearly basis.

### D. Incident Period Actions

1. Coordinate response according to the Guernsey County Hazardous Materials Response Plan.
2. Provide for site security and control by establishment of formal exclusive zones for the protection of the public and responders:
  - a. The emergency area will be divided into as many different zones as needed to reduce accidental spread of contaminants, reduce the number of personnel authorized in the high-risk areas, delineate required levels of personal protection to be worn and implement emergency evacuation routes.
  - b. Most incident scenes will have at least three zones: hot zone--contaminated area, warm zone--the area where decontamination of personnel and equipment takes place, and the cold zone--the uncontaminated area where responders and the general public should not be exposed to hazardous conditions.
  - c. The outer boundary of the hot zone should be clearly marked by lines, hazard tape or other barriers.
  - d. Additional safety procedures to operate within defined zones (hot, warm or cold zone) including accounting of personnel as they enter and leave the hazard zone are outline in the Guernsey County Hazardous Materials Response Plan.
3. Provide for decontamination needs as outlined in the Guernsey County Hazardous Materials Response Plan.

### E. Post Incident Actions

1. Cleanup and Disposal activities are outlined in the Guernsey County Hazardous Materials Response Plan.
2. Investigative Follow-Up is outline in the Guernsey County Hazardous Materials Response Plan.

### F. Deactivation

Deactivation of this ESF will be at the discretion of the Incident Commander.

## IV. Assignment of Responsibilities

Responsibilities for hazardous materials response are outlined in the Guernsey County Hazardous Materials Response Plan.

## V. Supporting Plans and Procedures

### **Guernsey County Hazardous Materials Response Plan**

Updated: October, 2005

Available from: Guernsey County EMA

### **Guernsey County ICS Procedures**

Updated: 2005

Available from: Guernsey County EMA

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