

# **STATE OF OHIO EMERGENCY OPERATIONS PLAN**



## **EMERGENCY SUPPORT FUNCTION #3 ENGINEERING AND PUBLIC WORKS**

### **COORDINATING AGENCY**

Ohio Department of Natural Resources

### **PRIMARY AGENCY**

Ohio Department of Natural Resources

**OHIO EMERGENCY OPERATIONS PLAN  
EMERGENCY SUPPORT FUNCTION #3**

**ENGINEERING AND PUBLIC WORKS**

**COORDINATING**

**AGENCY:** Ohio Department of Natural Resources (ODNR)

**PRIMARY AGENCY:** Ohio Department of Natural Resources (ODNR)

**SUPPORT AGENCIES:** Adjutant General's Department, Ohio National Guard (ONG)  
Ohio Department of Administrative Service (DAS)  
Ohio Department of Commerce, Division of Industrial Compliance (DOC-IC)  
Ohio Development Services Agency (ODSA)  
Ohio Department of Health (ODH)  
Ohio Department of Rehabilitation and Correction (ODRC)  
Ohio Department of Transportation (ODOT)  
Ohio Emergency Management Agency (Ohio EMA)  
Ohio Environmental Protection Agency (OEPA)  
Ohio Housing Finance Agency (OHFA)  
Public Utilities Commission of Ohio (PUCO)  
Ohio Water/Wastewater Agency Response Network (Ohio WARN)

**I. INTRODUCTION**

A. ESF-3 is composed of a grouping of state agencies that support response and recovery activities for local and state public works/engineering following an emergency. There is no single state organization that has oversight over all varieties of public works/engineering assistance that may be required following a disaster.

In general, ODNR addresses most engineering concerns that are not related to transportation systems; therefore, ODNR serves as the Primary Agency for this function. All support agencies for ESF-3 may be required to report individually on their emergency missions when activated in the Ohio Emergency Operations Center (Ohio EOC), the Disaster Field Office (DFO), or at the site of the disaster.

B. ESF-3 agencies might be involved in the following emergency activities that assist local governments in response and recovery efforts.

1. Damage assessment/substantial damage determination and field inspections

2. Provision of technical advice
3. Demolition and stabilization
4. Infrastructure inspections
5. Infrastructure evaluations
6. Repair and other response and recovery contracting
7. Temporary/permanent construction
8. Emergency repairs
9. Debris management

## **II. SITUATION**

- A. Disasters cause property damage to homes, public buildings and other facilities. Those structures may require reinforcement, demolition or isolation to insure safety. Public utilities may be partially or fully inoperable following disasters. Refer to ESF-12 for energy utility information, ESF-2 for communications information, and ESF-1 for engineering responsibilities related to transportation.
- B. Equipment in the immediate disaster area may be damaged or inaccessible. State government may have to deploy resources from outside the affected area in order to ensure a quick, effective response.
- C. Assumptions
  1. ESF-3 will prioritize state emergency missions by addressing life-saving and human health issues first.
  2. Rapid damage assessment of the disaster area will be necessary to determine potential workload.
  3. Disposal of materials from debris clearance and demolition activities will be strictly in accordance with applicable rules and regulations, unless emergency environmental waivers are granted by the Director of Ohio EPA.
  4. All state and local agency requirements remain in effect unless revised by the appropriate authorities in accordance with applicable rules and regulations. Consumer protection programs will be in place to protect citizens.

### III. CONCEPT OF OPERATIONS

#### A. Overview

1. The Ohio Emergency Management Agency (Ohio EMA) will notify elements of ESF-3 when public works and engineering capabilities are required for state assessment, response and recovery activities during emergencies. Full or partial activation of ESF-3 will depend upon the requirements for response and recovery.
2. Personnel from ESF-3 Primary and Support Agencies are prepared to staff the Ohio EOC on a twenty-four hour basis and provide personnel and equipment as applicable for emergency response and recovery activities at the disaster site.
3. Additional public works and engineering services and equipment may be contracted for on an emergency basis when required for response and recovery operations.
4. Close coordination is maintained between ESF-3 organizations during emergencies in order to:
  - a. Prioritize response and recovery missions
  - b. Share and update information
  - c. Ensure expedient response and recovery actions
  - d. Avoid redundant activities
  - e. Ensure a unified effort when working with federal, local and private organizations
  - f. Provide accurate information to other organizations in the Ohio EOC and at the site of the emergency
5. Each ESF-3 organization is responsible for providing logistical support to their personnel and for tracking and maintaining equipment and supplies.
6. ESF-3 resources may be pre-positioned depending upon the nature of the hazard.
7. Equipment will receive maintenance and repairs and be stored in protected locations during response and recovery in order to ensure maximum, safe usage.
8. ESF-3 will coordinate with ESF-7, Resource Support, and ESF-5, Information and Planning, when establishing staging areas for public works and engineering

personnel, equipment and supplies. This will ensure that the best sites are identified and established and that site locations, contact numbers and capabilities are distributed to personnel needing this information.

9. Ohio WARN can provide local public and private water suppliers with access to regionally-based utility-to-utility resources (engineering, plant operations, and distribution) to assist with the restoration of public and private water supply infrastructure.
10. If sufficient assistance is not available via in-state sources, further assistance and resources can be accessed through U.S. WARN. These resources can be accessed either through local mutual aid agreements, through direct requests from local EMAs to Ohio WARN, or through the State EOC.
11. Deactivation of ESF-3 can be a long-term process, extending deep into the recovery phase since public works and engineering projects may require many months of activity. Deactivation will be coordinated between local officials and state executives of ESF-3 organizations.

## B. Levels of Governments

### 1. Federal

- a. Federal ESF-3 may be activated for emergencies in Ohio requiring federal assistance. The federal ESF-3 Team is composed of the following organizations:
  - Department of Defense , U.S. Army Corps of Engineers (Coordinator)
  - Department of Homeland Security/Federal Emergency Management Agency (Primary)
  - U.S. Department of Agriculture
  - U.S. Department of Commerce
  - U.S. Department of Defense
  - U.S. Department of Energy
  - U.S. Department of Health and Human Services
  - U.S. Department of Homeland Security
  - U.S. Department of the Interior
  - U.S. Department of Labor
  - U.S. Department of State
  - U.S. Department of Transportation
  - U.S. Department of Veterans Affairs
  - U.S. Environmental Protection Agency
  - General Services Administration
  - U.S. Nuclear Regulatory Commission

- American Red Cross
- Tennessee Valley Authority
- Corporation for National and Community Service

## 2. State

- a. Ohio's state-level ESF-3 agencies will coordinate with the federal ESF-3 Team by working with them in the field, in the DFO, and by providing them with emergency missions that are beyond the capabilities of ESF-3.
- b. ODNR is the state liaison organization between Ohio and the U.S. Army Corps of Engineers.
- c. The Adjutant General's Department, Ohio National Guard is the state liaison organization between Ohio and National Guard Bureau, U.S. Army North and/or U.S. Northern Command.
- d. State ESF-3 organizations may contract with and coordinate with a wide variety of private public works and engineering services in order to provide expedient response and recovery to communities during emergencies.
- e. Each ESF-3 organization maintains internal listings of private organizations that may be needed for specific services during emergencies. Coordination and approval will be obtained with appropriate fiscal and executive personnel within each organization and the Ohio EOC/DFO before a commitment to a private provider is made.
- f. ESF-3 organizations will coordinate with ESF-3 organizations from adjacent states and Canadian Territories when required during emergencies. These entities include Michigan, Indiana, Kentucky, West Virginia, Pennsylvania and Ontario.

## 3. Local

- a. Local-level emergency requests for state public works/engineering resources and services communicated to the Ohio EOC will be directed to ESF-3 personnel for action.
- b. Requests for ESF-3 assistance made by local officials to ESF-3 personnel at the site of the emergency will be coordinated with and approved by ESF-3 Ohio EOC/DFO personnel before action is taken.

- c. Local Emergency Management Directors will ensure that local personnel skilled in engineering and public works will be pre-identified and assigned to coordinate with state ESF-3 personnel during emergencies.

#### 4. Comparison Chart for ESF-3 Organizations

The chart below lists agencies at three levels of government that share similar emergency responsibilities. These agencies from different levels of government may coordinate with each other during emergencies.

<u>Local Organizations</u>	<u>State Organizations</u>	<u>Federal Organizations</u>
*	Ohio Department of Natural Resources	U.S. Army Corps of Engineers
*	Adjutant General's Department, Ohio National Guard	U.S. Army/North
*	Ohio Department of Administrative Services <sup>2</sup>	U.S. Department of Commerce
*	Ohio Department of Commerce, Division of Industrial Compliance	U.S. Department of Commerce
County Engineers, County Commissioners	Ohio Development Services Agency Ohio Housing Finance Agency	Department of the Interior
Local Health Districts	Ohio Department of Health	U.S. Department. of Health & Human Services
*	Ohio Department of Rehabilitation and Correction	*
County Engineers and Municipal Street Departments	Ohio Department of Transportation	U.S. Department of Transportation
County Emergency Management Agencies	Ohio Emergency Management Agency	U.S. Department of Homeland Security/Federal Emergency Management Agency
Local Fire Departments HAZMAT Teams Local Health Districts	Ohio Environmental Protection Agency	U.S. Environmental Protection Agency
*	Public Utilities Commission of Ohio <sup>3</sup>	U.S. Department of Energy Tennessee Valley Authority <sup>4</sup>
*	*	U.S. Department of Labor
*	*	U.S. Department of Agriculture <sup>1</sup>
*	*	General Services Administration
*	*	American Red Cross
*	*	U.S. Department of State
*	*	Corporation for National and Community Service
*	*	U.S. Nuclear Regulatory Commission
*	*	U.S. Department of Veterans Affairs

\* There is no comparable designated organization at this level of government.

1. The U.S. Department of Agriculture addresses emergency issues similar to those addressed by the Dept. of Natural Resources and the Adjutant General's Department.



2. Department of Administrative Services may assist by providing contractual services for debris removal. Departments of Labor and Veterans Affairs also provide personnel support. The state Bureau of Employment Services may also assist in this area. Refer to ESF-7 recovery for their responsibilities.
3. The Public Utilities Commission of Ohio may assist during emergencies in various areas involving public works. Refer to ESF-12 Energy for a complete listing of their responsibilities.
4. TVA may provide additional personnel to assist in damage assessments and debris clearance.

#### **IV. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES**

##### **A. Organization**

1. The Ohio Department of Natural Resources (ODNR) is the Coordinating Agency for ESF-3, and will be responsible for working with Support Agencies to ensure that there is a seamless integration of, and transition between preparedness, response, and recovery activities. The Coordinating Agency's primary responsibility will be to focus on engaging Support Agencies in pre-incident planning and coordination opportunities.
2. ODNR is the Primary Agency for ESF-3, and will take the lead in coordinating and reporting on ESF-3-related missions and operations.
3. ESF-3 agencies will be activated through the State EOC for assessment, response, and recovery operations based on the needs of the emergency. Primary and Support Agencies will coordinate with one another to ensure the most effective use of personnel and equipment, to avoid redundant activities, and to cooperate on emergency response missions.
4. Agency-based resources will be provided as they are needed, and as agencies are able to provide them.
5. The activation of state-level response agencies through the State EOC will be dependent on an incident's type and magnitude. Minor incidents might be adequately addressed locally, while larger incidents might necessitate the activation of the State EOC's assessment, response and recovery capabilities, and the creation and completion of missions for and by State-level agencies through the State EOC.
6. Support agencies to this plan will provide support, personnel, advice, and equipment to local and state agencies and responders.

##### **B. Assignment of Responsibilities**

1. Ohio Department of Natural Resources
  - a. Provide personnel and equipment for the following public works/engineering emergency activities.

- b. Provide information on state water resources.
  - c. Inspect dikes, levies, dams and related structures.
  - d. Assist with debris removal.
  - e. Support emergency access to remote and forested areas.
  - f. Coordinate floodplain management operations related to the effects of flooding and water drainage system impacts.
  - g. Serve as the primary liaison between the State of Ohio and the U.S. Army Corps of Engineers.
  - h. Coordinate with ESF-3 team members to identify missions for the federal ESF-3 team.
2. Adjutant General's Department, Ohio National Guard
- a. When a Governor's declaration has been issued, provide general and unique services.
  - b. Provide personnel and equipment, as available, for the following public works/engineering emergency activities:
    - i. Debris removal.
    - ii. Damage assessment.
    - iii. Demolition and/or emergency repairs or stabilization of unsafe public structures.
    - iv. Engineering reconnaissance
    - v. Delivery of potable water.
    - vi. Assist with emergency drainage problems.
3. Ohio Department of Administrative Services
- a. Provide technical assistance for inspections, emergency repairs or demolition of damaged public buildings.
4. Ohio Department of Commerce, Division of Industrial Compliance
- a. Provide building inspectors as needed at the site of the emergency.

- b. Provide information to Ohio EOC personnel on industries affected by the disaster.
5. Ohio Development Services Agency
- a. Coordinate with private contractors and identify federal, state, and local programs that can be used to support ESF-3 assessment, response, and recovery operations.
6. Ohio Department of Health
- a. Coordinate with Ohio EPA and local agencies to maintain and/or restore sanitation standards for public works facilities in impacted areas.
7. Ohio Department of Rehabilitation and Correction
- a. Provide prison work crews to serve as manpower labor for debris removal and other manual labor emergency-related activities.
  - b. Provide equipment in the form of backhoes, shovels, wheel barrows, tractors, rakes, power tools, axes, power saws and other manual labor tools.
8. Ohio Department of Transportation
- a. Conduct and/or support debris clearance operations on interstates, U.S. routes and State Routes.
  - b. Upon a Governor's declaration, support local debris operations, as available.
  - c. Conduct and/or support necessary short-term and long-term repair operations on IS, US and SR transportation routes.
  - d. Provide technical recommendations as requested by ESF-3 organizations during emergencies.
9. Ohio Emergency Management Agency
- a. Notify elements of ESF-3 when public works and engineering capabilities are required for state assessment, response and recovery activities during emergencies.
  - b. Provide coordination for debris management and long-term recovery operations.

## 10. Ohio Environmental Protection Agency

- a. As needed, inspect, evaluate and provide assistance to public water works during state-declared emergencies as needed.
- b. Provide regulatory oversight and technical assistance on debris management, including all solid waste (e.g., scrap tires, vegetative or woody debris, general refuse, garbage, home furnishings, etc.), demolition debris, and infectious waste, and hazardous waste (household hazardous waste should be managed separately to the extent practical).
- c. Coordinate with ODH BRP – RAD waste management and disposal issues
- d. Coordinate with the Ohio Department of Health and local agencies to assist in the restoration of sanitary conditions through proper management and disposal of sewage and other waste streams.
- e. Support and provide technical assistance to public to water supplies and public water works.in impacted areas.
- f. Provide technical assistance and support for chemical and petroleum releases or other issues of environmental concern.

## 11. Ohio Housing Finance Agency

- a. Provide technical assistance in support of ESF-3 response and recovery operations.
- b. Provide staff resources through field offices to conduct housing damage assessments.
- c. Provide staff resources for staffing of Disaster Recovery Centers

## 12. Ohio Water/Wastewater Agency Response Network

- a. Provide and facilitate connections to mutual aid-based resources for response to incidents that impact public and private water and wastewater utilities.
- b. Provide technical and material assistance to public utilities and incident responders.

13. Public Utilities Commission of Ohio

- a. Provide emergency coordination for information between public works and the Ohio EOC as needed during emergencies.
- b. Support evaluation and repair of public utilities' systems following state-declared emergencies.

**V. RESOURCE REQUIREMENTS FOR ESF-3 PUBLIC WORKS AND ENGINEERING.**

- A. ESF-3 organizations maintain organizational Standing Operating Procedures and Resource Listings that document equipment, supplies and services available to them during emergencies.
- B. Additional required resources may be purchased when needed during emergencies.