

Alabama Radiological Emergency Preparedness Plan

Emergency Support Function (ESF) #1 - Transportation

Primary Support Agency: Department of Transportation

Support Agencies: Department of Public Safety
Military Department
Department of Corrections
Department of Public Health, Office of Radiation Control

Secondary Agencies: Department of Agriculture and Industries
Department of Conservation and Natural Resources
Alabama Department of Environmental Management
Forestry Commission
Finance Department
Department of Education
Public Service Commission
Civil Air Patrol

Primary Points of Coordination and Associated Actions:

- ESF #1 (Transportation) and ESF #11 (Food and Water): transport potable water to areas that do not have operating water supply systems.
- ESF #3 (Public Works and Engineering): coordinate personnel and equipment to clear roads and transportation access routes into the disaster area
- ESF #5 (Information and Planning): send Situation Reports (SITREPS), coordinate electronic briefings, request mission assignments, receive consolidated SITREPS
- ESF #15 (Law Enforcement): provide personnel to support the escort of critical lifesaving supplies

I. Introduction

A. Purpose

The purpose of this ESF is to coordinate transportation resources to support the needs of local governments, voluntary organizations, and other emergency support groups requiring transportation to perform their emergency response, recovery, and assistance missions. This plan gives requirements specifically for a radiological event at a NPP. The State EOP ESF-1 has information if additional requirements exist beyond the scope of this plan.

B. Scope

This annex addresses critical transportation considerations resulting from a incident at a nuclear power plant (NPP) that could affect the State of Alabama, involving mass casualties, mass evacuation, food and fuel redistribution, and other resource movements/relocation greatly straining transportation capacities. This annex covers coordination, control, and allocation of air, land, and marine transportation systems supporting emergency response and assistance/restoration activities before, during, and after a disaster in order to protect life, minimize damage, and provide essential supplies. State transportation support includes the following elements:

- Perform necessary actions to assist with transporting supplies and equipment to support emergency operations and implementation of protective action decisions, as established by the Department of Public Health, Office of Radiation Control (DPH/ORC), such as evacuation, search and rescue, emergency medical care, and re-entry of threatened areas.
- Process all transportation assistance requests from local emergency operations centers (EOCs) and state ESFs received through the State Emergency Operations Center (SEOC).
- Allocate and/or prioritize public and private transportation resources for evacuating people from the impacted area, as established by the DPH/ORC before, during, or immediately after the disaster. Evacuation of special facilities and or populations (hospitals, nursing homes, schools, jails, prisons, home bound individuals, colleges) may require extensive coordination of transportation resources.
- Allocate and/or prioritize public and private transportation resources for the transportation of personnel, materials, goods, and services to impacted areas. This includes transportation by highway, rail, air, and water.
- Establish emergency regulations to restrict roadway, rail, water, and air access as in accordance with guidelines established by the DPH/RCA.
- Perform necessary actions to assist with response/recovery operations, such as emergency debris removal, and quarantine of agricultural products as mandated by the DPH/RCA.

II. Policies

A. The assets available to ESF #1 will be used to assist county emergency operations agencies and other ESFs with their emergency efforts to move people,

materials, equipment, and other resources as necessary. The priorities for allocation of these assets are as follows:

- Transport supplies to support implementation of protective action strategies to affected areas as established by the DPH/RCA. This includes transportation of resources to support evacuation of citizens from peril, of medical supplies to support mass casualty situations, and of equipment and supplies to support emergency operations that affect health and safety.
- Maintain traffic movement for self-evacuation and re-entry transport of emergency resources.
- Transport materials, personnel, and supplies for support of emergency activities conducted by local EOCs or ESFs as requested through the SEOC.
- Transport relief supplies necessary for recovery from the emergency.

B. The Alabama Department of Transportation will coordinate activities of ESF #1 and, with assistance from the support agencies, prioritize the allocation of available resources.

III. Situation Analysis

This section discusses the process of evaluating the severity and consequences of a nuclear power plant incident and communicating the results.

A. Disaster Condition

- A minor, major, or catastrophic disaster may restrict the transportation infrastructure. Local transportation activities may be hampered by insufficient transportation resources, contaminated transportation infrastructure, and disrupted communications. Prior to a nuclear power plant incident, evacuation from the potentially threatened area may be ordered by the DPH/RCA or the local EMA director. This will require that transportation-related decisions be made to facilitate the evacuation.
- In the wake of the disaster, many local resources will be unavailable due to damage or inaccessibility, or the local resources will not be sufficient to handle the demand for assistance. This will require that significant amounts of resources will have to be transported into the area.
- A nuclear power plant incident may require the evacuation of special facilities and or populations (nursing homes, hospitals, jails, prisons, home bound individuals, etc.). Evacuation of special facilities and or populations will require coordination of transportation resources.

B. Planning Assumptions

- All available local transportation resources will be committed and additional help will be needed from the state.
- Coordination with local and other ESF efforts will be required.

- Contaminated areas will be restricted as established by the DPH/RCA and not readily accessible, except in some cases by air or water. The contamination, dependent upon the peculiarities of the civil transportation network, will influence the means and accessibility level for relief services and supplies.
- The U.S. Department of Transportation, through the Regional Emergency Coordinator (RETCO), will provide direction to all modes of civil transportation during national security emergencies, including air, surface, water, pipelines, and public storage and warehousing.
- State Department of Transportation may implement the Emergency Highway Traffic Regulation (EHTR) during mass population evacuation movements related to a nuclear power plant incident. The EHTR will be in effect prior to execution of the evacuation order.
- The National Defense Transportation Association (NDTA), in coordination with FEMA, will promote transportation support of state and local planning efforts and will exhaust private sector support initiatives. The NDTA will support programs involving special security problems associated with key transportation structures, railroads, highways, bridges, tunnels, lock/dams, sea terminals, and traffic control facilities.
- The Alabama Public Service Commission may ease or lift weight limitations on intrastate truck traffic as necessary to supply reception centers.
- Gradual clearing of access routes will permit a sustained flow of emergency relief, although localized distribution patterns will be disrupted for a significant period.

IV. Concept of Operations

This section details facilities, equipment, personnel, procedures, and communications necessary to effectively accomplish stated goals in response to an incident.

A. Goals

The following goals have related objectives, tasks, and procedures specified in this ESF.

- To create a state transportation response this provides for the command, control, and coordination of planning, operations, and mutual aid for transportation resources.
- To coordinate the dispatch and use of state transportation resources in support of local government and other ESFs.
- To provide a system for the receipt and dissemination of information, data, and directives pertaining to emergency response activities among transportation providers.

- To prescribe a procedure for the inventory of transportation, facilities, and equipment in the state.
- To collect and disseminate information and intelligence relating to transportation mission for disasters or emergencies, either existing or pending.
- To pre-plan distribution and allocation of state resources in support of the overall transportation mission.

B. General

- ESF #1 is under the lead is the Department of Transportation. Upon request, a representative of the Department will be available to respond to transportation-related requests submitted by Alabama Emergency Management Agency (AEMA). When partial activation of the SEOC is implemented, and at AEMA request, this representative will staff the ESF #1 work station, identify which support agencies for ESF #1 are needed, and take steps to assure that support agencies are activated or on alert as appropriate.
- ESF #1 will respond to requests for local transportation assistance. It is anticipated that after evacuation efforts are completed, the majority of requests for transportation resources will be initiated by other ESFs to assist in providing aid to those in need.
- Prepare a general description of the situation as it pertains to ESF #1 and an analysis of the ESF's operational support requirements.
- Prepare a prioritized listing of significant actions that the ESF #1 will initiate to provide operational support.
- Determine the level of response required by ESF #1 to respond to the event and Initiate notification of the required personnel and support organizations to achieve the required level of response.
- Based upon the situation analysis, prepare a list of objective-based priority actions to perform lifesaving and short-term recovery operations. The action list should be revised as the situation changes.
- Request mission assignments from ESF #5 to accomplish objectives.
- Mobilize resources and coordinate response for approved mission assignments.
- Prepare electronic briefings on status of ESF# 1 response operations.
- Keep track of all expenditures concerning operations and submit these to Administration and Logistics Section after terminating operations.
- Prepare ESF #1 After-Action Report to identify lessons learned and improvements.

C. Organization

The primary support agency for emergency transportation is the Alabama Department of Transportation. The Director of the Department of Transportation will designate a Transportation Disaster Coordinator to direct emergency transportation services. Notification: The State Warning Point or AEMA will notify all agencies in the event of an incident involving a nuclear power plant.

D. Response Actions

1. Normal Readiness

- Take action to satisfy the requirements of paragraph I of this attachment.
- Maintain a current status of evacuation routes in and from the 10-mile EPZ.
- Assure that county and state roadways requiring evacuation signs have the signs properly installed by coordinating the efforts of local authorities to install and maintain the signs. The county EMA will coordinate the procurement of these signs.
- Review evacuation routes and make changes to the routes that can be published in the Public Information Brochures produced by the utility.
- Review and make recommendations on the location of traffic control points.
- Provide AEMA with County and State highway maps on an as needed or as changed basis.

2. Increased Readiness

- Provide a liaison officer to the SEOC when requested but not later than

Site Area Emergency.

- Brief the SEOC on the status of evacuation routes and any known impediment to evacuation. Make recommendations for alternate routes.
- Provide resources to assist in traffic control. These will include but are not limited to road barricades, emergency repair crews, and ice and snow removal equipment and crews.

3. Emergency:

- Provide resources to assure that evacuation routes are useable or that alternate routes are identified and known to local law enforcement agencies.
- Coordinate local resources that can respond to emergencies or accidents that may impede evacuation.
- Maintain close contact with law enforcement agency to assist them with traffic control route information to expedite evacuation.

4. Recovery Actions:

- Support the re-entry of residents by surveying routes and repairing any damage to roads or bridges that may have occurred during the emergency.
- Maintain a liaison officer on the staff of the AEOC until it is mutually agreed between AEMA and the Director of the Department of Transportation that such service is no longer necessary.

V. Responsibilities

A. Primary Agency

- Coordinate with all support agencies in directing transportation resources and prioritizing transportation service needs
- In an evacuation during a nuclear power plant incident, the Department of Transportation will plan and deploy transportation resources required for evacuation of special facilities and or populations. This task is time-sensitive and is dependent upon the level of an incident at the nuclear power plant. A high priority will be given to this task and coordination with local government is essential to identify resource requirements.
- Initially, ESF #1 resources, in coordination with equipment and manpower in ESF #3 (Public Works and Engineering), may be more effectively used performing tasks to clear roads rather than transporting other resources.
- ESF #7 (Resource Support) and ESF #14 (Volunteers and Donations) will supply information to the Department of Transportation pertaining to potential volunteer groups, contract vendors, and other entities that may be able to supplement local and state resources.

B. Additional Resources

ESF #1 will use personnel and resources from its primary and support agencies to respond to mission assignments related to emergencies. Additional resources available at other ESFs may be coordinated and mobilized to

support ESF #1 missions. When requests begin to exceed the state ESF’s capability to respond, additional resources (i.e. county strike teams, federal agencies, contractual agreements, and mutual aid agreements) will be mobilized. All personnel and resources mobilized by ESF #1 will remain under the direction and control of AEMA, unless otherwise notified.

C. Table 1. Support Agencies and Responsibilities for ESF #1.

Agency	Responsibilities
Finance Department	<ul style="list-style-type: none"> • Agency director will make all state motor pool resources available to the Public Service Commission president during a threat of a nuclear power plant incident
Department of Education	<ul style="list-style-type: none"> • Make all education system transportation resources (outside of the affected area(s)) available to the Department of Transportation during a nuclear power plant incident.
Department of Public Safety	<ul style="list-style-type: none"> • Control traffic and support local law enforcement activities • Enforce highway traffic regulations • Report movement control information to EOC direction and control elements.
Military Department	<ul style="list-style-type: none"> • Provide resources when tasked. • Coordinate emergency debris removal.
Department of Corrections	<ul style="list-style-type: none"> • Provide transportation for correctional facilities • Provide manpower for emergency debris removal
Department of Agriculture and Industries	<ul style="list-style-type: none"> • Coordinate agricultural and animal issues in accordance with the DPH/ORC guidelines
Department of Environmental Management	<ul style="list-style-type: none"> • Provide information on emergency debris removal, burial and burning of debris. • Assistance with hazardous materials transportation issues
Forestry Commission	<ul style="list-style-type: none"> • Provide heavy equipment, non-potable water and air support.
Public Service Commission	<ul style="list-style-type: none"> • Provide waivers. • Assist with transportation issues
Civil Air Patrol	<ul style="list-style-type: none"> • Provide air support. (Fixed Wing)

Agency	Responsibilities
<p>Department of Transportation</p>	<ul style="list-style-type: none"> • Support emergency transportation requirements during a national security threat • Maintain the state highway system • Plan and operate Alabama’s EHTR by determining when the EHTR is necessary and activating HTR centers under a DOT engineer when it becomes necessary to control selected highway routes.
<p>Department of Public Health</p>	<ul style="list-style-type: none"> • Establish zones of evacuation and quarantined areas.