



NEW HAMPSHIRE

STATE EMERGENCY OPERATIONS CENTER



EMERGENCY SUPPORT FUNCTION ESF 10 – HAZARDOUS MATERIALS

2019

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Acronyms

CST	Civil Support Team
DAMF	Department of Agriculture, Markets and Food
DES	Department of Environmental Services
DNCR	NH Department of Natural and Cultural Resources
DOS	NH Department of Safety
EMAC	Emergency Management Assistance Compact
ESF	Emergency Support Function
FEMA	Federal Emergency Management Agency
FMO	NH Division of Fire Safety, Office of the State Fire Marshal
HAZMAT	Hazardous Materials
HSEM	NH Division of Homeland Security and Emergency Management
IEMAC	International Emergency Management Assistance Compact
LOA	Letter of Agreement
MOU	Memorandum of Understanding
NCP	National Contingency Plan
NHFG	NH Department of Fish and Game
NHNG	NH National Guard
NHSP	NH Division of State Police
NIMS	National Incident Management System
NRF	National Response Framework
SARA	Superfund Amendments and Reauthorization Act
SEOC	State Emergency Operations Center
SEOP	State Emergency Operations Plan
SME	Subject Matter Experts
SOP	Standard Operation Procedure
UNH	University of New Hampshire
USCG	U.S. Coast Guard

Lead Agency

NH Department of Safety, Division of Fire Safety, Office of the State Fire Marshal (FMO)

Support Agencies:

NH Department of Environmental Services (DES)

NH Department of Health and Human Services (DHHS), Division of Public Health (DPHS)

NH Department of Agriculture, Markets, and Food (DAMF)

NH National Guard, Civil Support Team (CST)

NH Department of Fish and Game (NHFG)

University of New Hampshire (UNH)

US Coast Guard (USCG)

Introduction

Emergencies or disaster events could result in hazardous materials being released into the environment. The release of oil or hazardous materials may be the cause for the initial response, or response may be necessary due to a cascading event when the release of oil or hazardous materials is discovered during the response activities.

For purposes of this annex, the following definitions apply:

Hazardous Materials is a general term intended to mean hazardous substances, pollutants, and contaminants as defined in the NCP. Hazardous materials include chemical, biological, radiological, nuclear, or explosive substances, whether accidentally or intentionally released.

“**Oil** means petroleum products and their by-products of any kind and in any form including, but not limited to, petroleum, fuel, sludge, crude, oil refuse or oil mixed with wastes and all other liquid hydrocarbons regardless of specific gravity and which are used as motor fuel, lubricating oil, or any oil used for heating or processing. The term "oil" shall not include natural gas, liquefied petroleum gas or synthetic natural gas regardless of derivation or source,” (RSA 146-A:2, III)

Purpose

The purpose of ESF 10 is to coordinate state level support and response to the control and containment of an actual or potential oil or hazardous materials release when local resources have been or are expected to become overwhelmed and, when applicable, to coordinate with federal resources requested to assist in the State’s response activities.

Concept of Operations

This annex will be activated at the direction of HSEM when there is potential for or an actual disaster situation or planned event involving hazardous materials.

General

1. The Department of Safety, Division of Fire Safety, Office of the State Fire Marshal (FMO) is the Lead Agency for ESF 10, but it is recognized that the Department of Environmental Services (DES) has significant responsibility, expertise, and resources with oil-related incidents. Upon consultation with FMO, the DES may assume the responsibilities of the lead agency.
2. State program assistance, under this function, will include the application of available personnel, equipment, and technical expertise necessary to contain, counteract, and supervise cleanup of hazardous materials.
3. FMO, as the lead agency, must ensure that through coordinated annual planning, all ESF 10 agencies are:
 - a. Participating in reviews and maintenance of the ESF 10 Annex; and
 - b. Receiving sufficient training and are capable of supporting responsibilities of ESF 10 in the SEOC; and
 - c. Coordinating, attending, and participating in ESF 10 meetings, training sessions, conferences, and exercises.
4. Maintain manual or automated listings of the following:
 - a. FMO and support agency emergency points of contact that may need to be contacted by ESF 4 representatives; and
 - b. Available hazardous material response resources (i.e., state, local, regional) such as types of equipment, equipment operators, technicians, and other personnel.
5. Coordinate, integrate, and manage the overall state effort to detect, identify, contain, clean up, dispose of, or minimize releases of oil or hazardous substances and minimize the threat of potential releases.
6. Coordinate ESF 10 activities in the SEOC, during periods of activation by developing and maintaining the ESF 10 staffing schedule.
7. Coordinate evaluation and performance of mission/task requests.
8. Ensure the status of committed and uncommitted equipment and inventory resources is tracked during activation of the SEOC.
9. Ensure Unified Command is used to manage assets in the field, due to the number and variety of government and private sector organizations that may be involved.
10. If criminal or terrorist activity is suspected in connection with the event, the NH State Police will be advised immediately, if not already involved in the incident.

Organization

1. **Organizational Chart (Command & Control):** ESF 10 shall function under the direction and control of the Public Safety Branch of the SEOC Operations Chief. *(See Organizational Chart in SEOP Base Plan.)*
2. **Field Operations:** ESF 10 may serve in Field Operations for deployment or standby status. As activation of these activities usually occurs early in an event, its activation sequence should be prepared for in the first hours of an event.
3. **Specialized and Mutual Aid Team:** Regional HAZMAT teams are organized throughout the state. They are designed to provide assistance to neighboring municipalities and to those areas not equipped in hazardous materials operations. Notification and utilization of these teams are spelled out in documents governing their use. Requests for these resources are made at the state-level.
4. **Federal Resources:** When ESF 10 foresees or has a need for resources not otherwise available, action will be taken to secure such resources through the *National Response Framework* (NRF) or some other federal source. This request should be coordinated through the SEOC Operations Chief and Logistics Chief, as required.
5. **Contracts and Contractors:** Resources that are available through ESF 10 may be obtained through a contractor. State of NH contracts or private sector contracts should be facilitated through Logistics and ESF 7 – Resource Support.

Notification

1. HSEM will notify the Lead Agency points of contact when there is, or will be an SEOC activation requiring ESF 10 representation.
2. The Lead Agency will then notify the Support Agencies and determine coverage for the ESF 10 desk in the SEOC.
3. ESF 10 agencies will make notifications to their appropriate regions, districts, local offices, etc.
4. The above notification process will be utilized for all phases of activation and activities in which the ESF 10 will be involved.

Event Reporting

1. WebEOC will be utilized to provide continuous situational awareness.
2. Position logs should be maintained by each ESF agency in sufficient detail to provide information on activities taken during the event.
3. Agencies are also expected to keep their Lead Agency updated upon all activities and actions.
4. The Lead Agency will be responsible for making periodic reports to the Operations Section Chief on activities taken by the ESF during the event and assure they are properly documented.
5. Lead and Support agencies must maintain financial records of all activities and costs during the event. The records will be turned into the Lead Agency when requested.



ESF Actions

Prevention/ Preparedness Actions

1. Maintain situational awareness through coordination with ESF 10 support agencies for current inventories of HazMat personnel, supplies and equipment.
2. Prepare an inventory of existing threats using Superfund Amendments and Re-Authorization Act (SARA) Title III, Tier II information.
3. Establish and maintain liaison with the Federal and border state HazMat officials.
4. Participate in State exercises or conduct an exercise to validate this Annex and supporting SOPs.
5. Support the Emergency Management Assistance Compact (EMAC) and International Emergency Management Assistance Compact (IEMAC) including training of ESF on EMAC/IEMAC responsibilities, and pre-identification of assets, needs, and resources that may be allocated to support other states/provinces.
6. Annually review the U.S. Department of Homeland Security Core Capabilities and integrating tasks as appropriate.
7. Integrate NIMS principles in all aspects of planning for ESF 10.
8. Maintain notification systems to support emergency/disaster response.
9. Develop procedures for identification, control, and clean-up of hazardous materials.
10. Maintain a system to recognize credentials of associated agencies/personnel.
11. Maintain a listing of private contractors capable of performing emergency and/or remedial actions associated with a hazardous materials incident.
12. Collect and utilize licensing, permitting, monitoring, and/or transportation information from the appropriate local, State, or Federal agencies and/or private organizations to facilitate emergency response.

Response Actions

1. Assign and schedule sufficient personnel to cover an SEOC activation for an extended period of time.
2. Provide information and status on HazMat efforts to SEOC Operations via WebEOC.
3. Provide updates and briefings for personnel reporting for ESF 10 duty.
4. Notify ESF 10 counterparts in the threatened or impacted areas.
5. Generate information to be included in SEOC briefings, situation reports, and/or action plans.
6. Evaluate and respond to ESF 10 mission/task requests including providing available resources equipment and personnel for fulfilling ESF missions. Maintain situational awareness of resources committed to an incident.
7. Consult incident specific annexes for specialized actions.

8. Support requests and directives resulting from a Governors State of Emergency Declaration and/or Presidential Disaster Declaration.
9. Assess the situation, as requested, to include:
 - a. Nature, amount and location of real or potential releases of hazardous materials.
 - b. Exposure pathways to humans and the environment.
 - c. Probably direction and time of travel of the materials.
 - d. Potential impact upon human health, welfare, safety and the environment.
 - e. Types, availability, and location of response resources.
 - f. Technical support, and hazmat and cleanup services needed.
 - g. Priorities for protecting human health, safety, welfare, resources, environment.
10. After reviewing reports, gathering and analyzing information and consulting with appropriate agencies, determine and provide, as available, the necessary level of assistance.
11. Provide personal protective equipment recommendations, as the incident requires.
12. Coordinate monitoring efforts to determine the extent of the contaminated area(s) and consult with appropriate support agencies to provide access and egress control to contaminated areas.
13. Coordinate decontamination activities with appropriate local, State, and Federal agencies.
14. Coordinate with appropriate local, State, and Federal agencies to ensure the proper disposal of wastes associated with hazardous materials incidents; and assist in monitoring or tracking such shipments to appropriate disposal facilities.
15. Coordinate with SEOC Logistics for the location and use of staging areas for the deployment of personnel, assets, and materials into the affected zones.
16. Conduct ongoing assessments of priorities and strategies to ensure adequate resources to support HazMat operational needs with a priority on life safety.
17. Prepare for the arrival of, and coordinate with, FEMA ESF 10, as appropriate.
18. Prepare damage assessment documents to be submitted to HSEM and other appropriate ESFs/agencies.
19. Evaluate the probability and time period of the recovery phase for the event. Continue development of an "After-Action Report" for ESF 10.
20. **Radiological Emergency Preparedness Actions**

Refer to the ESF 10 section of the NH Radiological Emergency Response for Nuclear Facilities Incident Annex, Attachment A – Implementing Procedures for State Agencies.



Recovery Actions

1. Maintain information and status of hazardous material activities to SEOC Operations via WebEOC.
2. Continue to coordinate activities and requests with partner ESFs.
3. Prepare for arrival of and coordinate with Federal HazMat personnel, as appropriate.
4. Generate information to be included in SEOC briefings, situation reports, and/or action plans.
5. Ensure ESF 10 Lead and Support Agencies document event related costs for any potential reimbursement.

Mitigation

1. Provide input to the State Hazard Mitigation Plan as needed.
2. Support and plan for mitigation measures including monitoring and updating mitigation actions in the State Hazard Mitigation Plan.
3. Support requests and directives from the Governor and/or FEMA concerning mitigation and/or re-development activities.

Responsibilities

General

1. Agencies will provide Subject Matter Experts (SME's) to support ESF 10 in the SEOC.
2. Agencies will maintain inventories/databases, status of availability, and procedures to obtain access to and use of their hazardous material trained personnel, equipment and other resources.
3. Participate in the evaluation and mission assignment of ESF 10 resource requests submitted to the SEOC including resources that are available through mutual-aid agreements, compacts, contracts, etc.

Agency Specific

Lead Agency

NH Department of Safety, Division of Fire Safety, Office of the State Fire Marshal (FMO)

1. Identify, train, and assign personnel to staff ESF 10 in the SEOC.
2. Notify all ESF 10 supporting agencies upon activation.
3. Provide staff and resources necessary to conduct impact assessment of the impacted area.
4. Establish and maintain a database of entities that sell, manufacture, store and/or transport extremely hazardous substances in the State.
5. Work with appropriate ESFs to ensure appropriate responses to hazardous materials responses involving transportation issues or those involving public works and engineering concerns.
6. Provide law enforcement assistance with criminal investigations at the site of a pollutant or hazardous materials discharge.

7. Assist in provision of plume modeling as requested.
8. Identify and provide liaisons with mutual aid teams, groups and associations.
9. Review files submitted by industry regarding presence of chemicals covered under the Emergency Planning and Community Right to Know Act (EPCRA) Tier II Program.
10. Provide technical assistance on hazardous material recognition and identification.

Support Agencies

1. Department of Environmental Services (DES)

- a. Pursuant to its authority under RSA 146-A: 4, for incidents involving oil spills that threaten surface water or groundwater, DES will assume primary jurisdiction of the cleanup operations.
- b. Upon consulting and concurrence with FMO, assume responsibility as Lead Agency for ESF 10 for oil spill incidents, including continued remedial actions. Serve as the State On Scene Coordinator.
- c. Maintain appropriate databases, permitting records and technical assistance on hazardous materials transporters and treatment, storage, disposal facilities, solid waste landfills and transfer stations located in the impacted area.
- d. Assist with the coordination of the segregation and disposal of household hazardous waste.
- e. Assist with health risk assessments on toxic and hazardous materials.
- f. Coordinate prompt remediation activities to restore contaminated sites to productive use and to protect the environment and public health.
- g. Provide environmental impact guidance.
- h. Review requests for emergency waivers for in situ burning of oil, the burning of oily waste, or burning of solid waste and debris after a disaster, as warranted by field conditions.
- i. Review requests for the use of chemical countermeasures as a response alternative.
- j. Provide Project Managers for sites where the emergency phase of work is completed, but additional remediation is still required.
- k. Work with ESF 6 to help arrange for provision of potable water to impacted populations when wells are contaminated by hazardous materials. Work with local officials to assist in restoring water and wastewater treatments to operational status.
- l. Determine what equipment and response actions can be utilized in or near environmentally sensitive areas and ensuring that additional damage is minimized.
- m. Review requests for emergency permits, as necessary, to allow for clearance, restoration, stabilization, etc. of areas in or near wetlands impacted by hazardous spills/incidents.
- n. Coordinate the sampling and analysis of contaminants, in soils, air, vegetation, and water.



- o. Coordinating the responsible party responses or the use of Federal/State contractors to control and contain a hazardous materials release to protect the public and environment.

2. Department of Health and Human Services/Division of Public Health (DPHS)

- a. Assign personnel and resources to support ESF 10 at incidents involving biological releases.
- b. Recommend personal protective actions and assisting in dissemination of this information to responders, workers and the public.
- c. Ensure sanitation measures and the safety of the public's food and water through investigation and/or analysis during hazardous materials incidents.
- d. Provide public health laboratory services as needed.
- e. Provide toxicologists, public health nurses, sanitarians, and epidemiological investigators as needed for incidents involving biohazards.
- f. Provide assessment, sampling and monitoring teams, as needed.

3. Department of Agriculture, Markets, and Food (DAMF)

- a. Provide collection, sampling and laboratory analysis to include analyzing and identifying contaminants such as pesticides and certain other toxic materials in soils, vegetation, and to some extent in water.
- b. Provide technical assistance to include securing representative samples of materials suspected of chemical contamination.
- c. Provide technical assistance for pesticide related incidents.
- d. Coordinate the removal of livestock killed or contaminated during a hazardous material release.

5. New Hampshire National Guard Civil Support Team (CST)

- a. Provide the criteria to coordinate the activation of CST during hazardous materials incidents when requested.

6. New Hampshire Fish and Game Department (NHFG)

- a. Coordinate and assist in identification of critical wildlife populations and endangered species and habitats at risk during a HAZMAT incident.
- b. Coordinate and assist in relocation of at risk wildlife and/or endangered species, as needed.

7. University of New Hampshire (UNH)

- a. Provide laboratory and analysis services.
- b. Provide an agrichemical database to include locations, types and quantities.

8. US Coast Guard (USCG)

- a. Conduct HAZMAT activities upon navigable rivers and Federal waterways as well as on vessels upon them.
- b. Authorize closures due to HAZMAT incidents of navigable rivers and Federal waterways.

Coordination with Other Emergency Support Functions:

ESF 10 will coordinate with other ESFs through the SEOC by:

- 1. Notifying organizations of available resources.
- 2. Providing availability of subject matter experts for specialized requests.
- 3. Notifying ESFs and Support Agencies of any pertinent information that may impact their ability of the to carry out missions/tasks.

Mutual Aid

Lead and Support Agencies will maintain up-to-date agreements and Memoranda of Understanding/Letters of Agreement (MOU/LOA) with various other agencies, regions, states or countries, as appropriate. Each agency is responsible for keeping these documents updated and with appropriate points of contact. Support Agencies should keep the Lead Agency informed of any such agreements which may impact resources or capabilities during an emergency incident. The State of New Hampshire also maintains agreements and mutual aid compacts on behalf of various organizations. These may be activated as the situation warrants.

Attachments

Plans

- 1. National Oil and Hazardous Pollution Contingency Plan (NCP)
- 2. New Hampshire Statewide Fire and All Hazards Mobilization Plan, 2019

Listings/Maps

- 1. New Hampshire Hazardous Materials Coverage Teams
- 2. Pan AM Rail Line/USCG/EPA Boundary
- 3. Jurisdictional Boundaries for USCG & EPA in Maine & NH
- 4. Maintained by Lead & Support Agencies

Record of Update

Date	Title and Agency of ESF Lead Approving Update