Section 3:

Checklist of Emergency Response Issues

Checklist for Emergency Response Issues

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| **Section 3 Outline** | |
| **3.1** | Site Control |
| **3.2** | Priorities |
| **3.3** | Emergency Support Functions (ESF) for All Hazards |
| **3.4** | Assets for Support in Emergency Response |
| **3.4.1** | DEM Staff and Roles for Incident Command |
| **3.4.2** | Incident Command Structure for Emergency Response |
| **3.4.3** | DEM Emergency Response Materials |
| **3.4.4** | DEM Resources for Natural Resource Damage Assessment (NRDA) |
| **3.4.5** | SSEER (Scientific Support for Environmental Emergency Response) |

## 3.1 – Site Control

The first act of the Incident Commander must be to establish control of the site. A site must be controlled for the protection of first responders and to exclude unnecessary personnel. The basic approach is to establish three distinct zones; the hot zone (*exclusion*), the warm zone (*contamination reduction*) and the cold zone (*support*).

* **Hot Zone**

The hot zone is the area where the actual incident occurred and contamination exists. All individuals entering the hot zone must wear the prescribed levels of personal protection and be decontaminated before leaving. Entry and exit check points will be established at the outer boundary of the hot zone to regulate the entry and exit of personnel and equipment. The outer boundary of the hot zone is initially established by visually surveying the immediate area and determining where the hazardous materials involved are located. Monitoring equipment may also be used to define the area.

* **Warm Zone**

The warm zone is the transitional area between the hot zone and the cold zone. This zone generally contains the decontamination area and access control points through which personnel and equipment enter and exit. Since this zone is less hazardous, personnel can wear lower levels of personal protection equipment.

* **Cold Zone**

The cold zone is the outermost part of the site and is considered non-contaminated. This is where the command post is located, along with support equipment. Normal work clothes are acceptable in this area. The command post should be situated upwind and upstream of the hot zone and should be easily accessible to highways or other transportation routes. The press is allowed in this zone.

The size and distances between the hot zone, warm zone, cold zone and the command post is based on conditions specific to each incident, the material involved and the judgment of the incident commander. The following criteria should be considered when establishing zone boundaries:

* Physical and topographical features of the site
* Weather conditions and wind direction
* Field measurements of air contaminants
* Air dispersion models of the chemical(s) involved
* Physical, chemical, toxicological, and other characteristics of the chemical(s) present
* Cleanup activities
* Potential for fire or explosion
* Adequate roads, power sources, and water

## 3.2 - Priorities

1. Protect human health and safety
   1. Protect incident responders
   2. Protect the public
   3. Control all hazards – in the material discharged, the equipment used, and the environments that are affected
2. Contain the release
   1. Control the source and terminate the flow
   2. Contain the spill
      1. Boom deployment, dikes and dams, dispersants, etc.
3. Protect environmentally sensitive habitats and wildlife
   1. Identify the habitats
   2. Implement boom inlets
   3. Rescue and further measures to protect wildlife
4. Protect economically significant areas
   1. Recreational areas such as parks and beaches
   2. Residential areas
   3. Public areas such as marinas and hotels
5. Clean impacted areas
   1. Physical recovery, chemical cleaners and bioremediation
6. Remediate impacted areas
   1. Assess natural resources damage and rehabilitate
   2. Recover costs

**Important Inquisitions for Major Oil Spills**

* What is the hazard (oil type, quantity, location, projected path)?
* Have the proper response authorities been notified?
  + Law enforcement hotline: **(401) 222-3070 or (800) 498-1336**
* What human and environmental resources are most at risk?
* Have citizens residing near the incident location been duly warned?
* What is the source of the spill?
* Who is the responsible party?
* What is being done to minimize damage?
* Who is coordinating emergency response and cleanup efforts?
* Should additional authorities be notified?
  + If so, consult the “Notifications” section of the Emergency Response Plan

## 3.3 – Emergency Support Functions (ESF) for All Hazards

Source: U.S. Department of Homeland Security National Response Plan, which can be found at the following link: <http://www.dhs.gov/xlibrary/assets/NRP_Brochure.pdf>

ESF #1 - Transportation

* Federal and civil transportation support
* Transportation safety
* Restoration and recovery of transportation infrastructure
* Movement restrictions
* Damage and impact assessment

ESF #2 – Communications

* Coordination with telecommunications industry
* Restoration and repair of telecommunications infrastructure
* Protection, restoration, and sustainment of national cyber and information technology resources

ESF #3 - Public Works and Engineering

* Infrastructure protection and emergency repair
* Infrastructure restoration
* Engineering services, construction management
* Critical infrastructure liaison

ESF #4 - Firefighting

* Firefighting activities on federal lands
* Resource support to rural and urban firefighting operations

ESF #5 - Emergency Management

* Coordination of incident management efforts
* Issuance of mission assignments
* Resource and human capital
* Incident action planning
* Financial management

ESF #6 - Mass Care, Housing, and Human Services

* Mass care
* Disaster housing
* Human services

ESF #7 - Resource Support

* Resource support (facility space, office equipment, contracting services, etc.)

ESF #8 - Public Health and Medical Service

* Public health
* Medical
* Mental health services
* Mortuary services

ESF #9 - Urban Search and Rescue

* Life-saving assistance
* Urban search and rescue

ESF #10 - Oil and Hazardous Materials Response

* Oil and hazardous materials response (chemical, biological, radiological, etc.)
* Environmental safety and short- and long-term cleanup

ESF #11 - Agriculture and Natural Resources

* Nutrition assistance
* Animal and plant disease and pest response
* Food safety and security
* Natural and cultural resources and historic properties protection and restoration

ESF #12 - Energy

* Energy infrastructure assessment, repair, and restoration
* Energy industry utilities coordination
* Energy forecast

ESF #13 - Public Safety and Security

* Facility and resource security
* Security planning and technical and resource assistance
* Support to access, traffic, and crowd control

ESF #14 - Long-Term Community Recovery and Mitigation

* Social and economic community impact assessment
* Long-term community recovery assistance to States, local governments, and the private sector
* Mitigation analysis and program implementation

ESF #15 - External Affairs

* Emergency public information and protective action guidance
* Media and community relations
* Congressional and international affairs
* Tribal and insular affairs

## 3.4 – Assets for Support in Emergency Response

*3.4.1 – DEM Staff and Roles for Incident Command*

*3.4.2 – Incident Command Structure for Emergency Response*

*3.4.3 – DEM Emergency Response Materials*

*3.4.4 – DEM Resources for Natural Resource Assessment*

*3.4.5 – SSEER (Scientific Support for Environmental Emergency Response)*

### **3.4.1 – DEM Staff and Roles for Incident Command**

1. Incident Command

**Contact:**  Chief of Emergency Response – James Ball, **(401) 222-1360, ext. 7129**

* 1. Protect the safety of incident responders and the public
  2. Minimize efforts of the incident on the surrounding area
  3. Deploy resources efficiently (max effect, minimum cost)

1. Command Staff
   1. Safety Officer
      1. Monitors safety of incident response
      2. Develops measures for ensuring the safety of assigned personnel
   2. Liaison Officer
      1. Maintains contact with other agencies assigned to the incident response
   3. Information Officer

**Contact:** Chief Public Affairs Officer – Michael Healey, **(401) 222-4700, ext. 7273**

**Contact:** Chief of Customer and Technical Assistance – Ron Gagnon, **(401) 222-4700, ext. 7500**

* + 1. Collect and synthesize information regarding the incident
    2. Coordinate communication among incident responders
    3. In cooperation with other responding agencies
    4. Keeps the public, government officials and media outlets informed

1. Operations Section
   1. Compliance and Inspection

**Contact:** Chief of Compliance and Inspection – David Chopy, **(401) 222-1360, ext. 7400**

* + 1. Field assessment
    2. Assess the impact of the incident on regulated and non-regulated facilities and dams
    3. Issue appropriate warnings for responders and the public
    4. Coordinate the handling of hazardous materials and waste, as well as the reestablishment of compliant facilities
  1. Law Enforcement

**Contact:** Chief of Law Enforcement – Dean Hoxsie, **(401) 222-2284**

* + 1. Assess the impact of the incident on environmental law enforcement
    2. Maintain order and communications within DEM
    3. Provide logged 24-hour phone access to DEM with relays to the State Fire Marshall and the RI Emergency Management Agency (RI EMA)
    4. Provide marine assets
    5. Secure boundaries of incident site and regulate traffic with cooperating agencies (U.S. Coast Guard, state police, etc.)
  1. Water Resources

**Contact:** Chief of Water Resources – Susan Kiernan, **(401) 222-4700, ext. 7600**

* + 1. Assess impact of incident on water quality
    2. Issue appropriate warnings for responders and the public
    3. Assist watershed, marine and groundwater recovery
  1. Fish and Wildlife

**Contact:** Chief of Fish and Wildlife – Christine Dudley, **(401) 789-0281**

**Contact:** Chief of Coastal Resources – Dan Costa, **(401) 782-4587**

* + 1. Identify sensitive fishing and wildlife areas
    2. Assess impact of incident on fish and wildlife
    3. Issue appropriate warnings for responders and the public (suspend commercial fishing, prohibit boats from entering spill zone, etc.)
    4. Minimize impacts on fish and wildlife (create barriers, tend to wildlife, etc.)
    5. Assist in restoring vitality of fish and wildlife resources
  1. Land Revitalization and Sustainable Materials Management

**Contact:** Chief of Land Revitalization and Sustainable Materials Management – Leo Hellested,

**(401) 222-2797, ext. 7502**

* + 1. Assess impact of incident on solid waste generation and disposal sites
    2. Issue appropriate warnings for responders and the public
    3. Issue permits or waivers for emergency waste handling
    4. Coordinate the containment and disposal of sources of pollution
    5. Assist waste generation and disposal sites in reestablishing compliant operations
  1. Air Resources

**Contact:** Chief of Air Resources – Laurie Grandchamp, **(401) 222-2808**

* + 1. Assess impact of incident on air quality and regulated emissions
    2. Issue appropriate warnings for responders and the public
    3. Provide technical assistance in reestablishing compliant emissions
  1. Parks and Recreation and Forest Environments

**Contact:** Chief of Parks and Recreation – Jennifer Ogren, **(401) 667-6200**

**Contact:** Chief of Forest Environment – Tee Jay Boudreau, **(401) 222-2445, ext. 2059**

* + 1. Assess impact of incident on state parks, forests and recreational facilities
    2. Identify sensitive areas on state property
    3. Issue appropriate warnings for responders and the public
    4. Secure all affected facilities
    5. Participate in search and rescue
    6. Suppress wildland fires with cooperating agencies
    7. Secure, transport and properly dispose of debris
    8. Restore DEM properties and facilities for public use
  1. Agriculture

**Contact:** Chief of Agriculture – Ken Ayars, **(401) 222-2781, ext. 4500**

* + 1. Assess impact of the incident on agriculture (loss of produce, potential outbreak of crop disease, etc.)
    2. Monitor radioactivity in vegetation
    3. Issue appropriate warnings for responders and the public
    4. Coordinate the evaluation, treatment, quarantine, or euthanasia and disposal of distressed livestock or tainted agricultural products
    5. Issue emergency licenses and institute procedures for pesticide application, farm pond construction or livestock transportation
    6. Assist farmers in recovery

1. Planning Section
   1. Resources Unit

**Contact:** Appropriate divisions of the Bureau of Natural Resources

* + 1. Assess and document any necessary resources (material, personnel, allied agencies, community volunteers, etc.)
    2. Define optimal deployment strategies (acquisition, check-in, staging, assignment, rotation in and out of service, etc.)
    3. Report to Operations on resource readiness
  1. Situation Unit

**Contact:** Chief of Compliance and Inspection – David Chopy, **(401) 222-1360, ext. 7400**

**Contact:** Chief of Land Revitalization and Sustainable Materials Management – Leo Hellested,

**(401) 222-2797, ext. 7502**

**Contact:** Chief of Agriculture – Ken Ayars, **(401) 222-2781, ext. 4500**

* + 1. Evaluate the incident and response functions
    2. Identify human and environmental resources at risk
    3. Support Operations in modulating response
    4. Document situation status
  1. GIS Unit

**Contact:** Chief of Information Management – Warren Angell, **(401) 222-4700, ext. 2424**

* + 1. Coordinate the collection and synthesis of geographic information on environmental assets in the incident area, incident impacts and response
    2. Supply Operations Section with mapping equipment and maps
  1. Demobilization Unit

**Contact:** Chief of Compliance and Inspection – David Chopy, **(401) 222-1360, ext. 7400**

**Contact:** Chief of Land Revitalization and Sustainable Materials Management – Leo Hellested,

**(401) 222-2797, ext. 7502**

**Contact:** Chief of Water Resources – Susan Kiernan, **(401) 222-4700, ext. 7600**

* + 1. Evaluate long-range alternatives for securing or remediating the site of the incident
    2. Establish procedures for takin response resources and facilities out of service
    3. Plan for cost recovery

1. Logistics Section
   1. Communication Unit

**Contact:** Chief of Law Enforcement – Dean Hoxsie, **(401) 222-2284**

**Contact:** Chief of Information Management – Warren Angell, **(401) 222-4700, ext. 2424**

* + 1. Implement protocols for optimal communications among responders
    2. Acquire, assign and maintain equipment for responders to speak with or leave messages for each other
    3. Coordinate the collection and sharing of information among cooperating agencies
    4. Report regularly to Incident Command and Public Relations
  1. Supply Unit

**Contact:** Chief of Parks and Recreation – Jennifer Ogren, **(401) 667-6200**

* + 1. Acquire personnel and materials for operation
    2. Coordinate purchase, employment, and contracting with Finance and Management services
  1. Facilities Unit

**Contact:** Chief of Planning and Development – Megan DiPrete, **(401) 222-2776, ext. 4316**

* + 1. Establish site(s) for incident response (command post, staging areas, etc.)
    2. Coordinate selection of sites for collection, temporary storage, or disposal of incident waste
  1. Environmental Unit

1. Finance and Administration Section
   1. Human Resources Unit

**Contact:** Office of Human Resources – Irene Godin, **(401) 222-2774, ext. 4607**

* + 1. Engage personnel for incident response
    2. Track and document the movement of personnel in and out of incident response
    3. Coordinate emergency employment practices with the Management Services Unit
  1. Management Services Unit

**Contact:** Management Services Assistant Director – Adam Brusseau, **(401) 222-4700, ext. 4902**

* + 1. Identify funds and expedite paperwork for incident response
    2. In consultation with cooperating agencies and the responsible party
    3. Advise Operations Section on budget control
    4. Coordinate the documenting of resources committed to the incident
    5. Analyze costs and prepare documents for recovering funds
  1. Legal Unit

**Contact:** Office of Criminal Investigation – Jo-Anne Scorpio, **(401) 222-2985**

**Contact:** Acting Executive Counsel of Legal Services – Mary Kay, **(401) 222-4700, ext. 2304**

* + 1. Collect evidence for potential prosecution of the responsible party
    2. Represent DEM in legal proceedings (negotiating with and or prosecuting the responsible party, securing injunctions or restraining orders, etc.)

### **3.4.2 – Incident Command Structure for Emergency Response**



### **3.4.3 – DEM Emergency Response Materials**

Find a list of DEM Emergency Response Materials at: <http://www.dem.ri.gov/topics/erp/3_4_3.pdf>

### **3.4.4 – DEM Resources for Natural Resource Damage Assessment (NRDA)**

*This contact list is up to date as of August 6, 2020.*

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| --- | --- | --- | --- |
| **Name** | **Office/**  **Position** | **Office Phone #**  **Cell Phone #** | **Area of Expertise** |
| James Ball | Emergency Response  Emergency Response Coordinator | (401) 222-1360, ext. 7129 | Oil & Hazardous Materials Specialist, CAMEO Proficient |
| John Leo | Emergency Response | (401) 222-1360, ext. 7127 | Oil & Hazardous Materials Specialist, Toxicology, Chemistry |
| David Dumsar | Emergency Response | (401) 222-1360, ext. 2031 | Oil & Hazardous Materials Specialist, CAMEO Proficient |
| Jason Caswell | Emergency Response | (401) 222-1360, ext. 7504 | Oil & Hazardous Materials Specialist, CAMEO Proficient |
| Andrew Palmer | Emergency Response | (401) 222-1360, ext. 7150 | Oil & Hazardous Materials Specialist, CAMEO Proficient |
| Lynne DeBritto | Emergency Response | (401) 222-1360, ext. 7506 | Documentation |
| Paul Jordan | Planning and Development  Acting Deputy Chief | (401) 222-2776, ext. 4315 | GIS Specialist |
| Conor McManus | Marine Fisheries  Deputy Chief | (401) 423-1941 | Marine Biology |
| Terry Gray | Environmental Protection  Deputy Director | (401) 222-6677, ext. 2412 | Chemical Engineering |
| Katherine Rodrigue | Marine Fisheries  Principle Biologist | (401) 423-1944 | Marine Biology |
| Jason McNamee | Bureau of Natural Resources  Deputy Director | (401) 222-2771, ext. 2414 | Marine Biology |
| Mark Dennen | Land Revitalization & Sustainable Materials Management  Deputy Administrator | (401) 222-2797, ext. 7141 | Medical Waste Expert |
| Scott Marshall | Agriculture  State Public Health Veterinarian | (401) 222-2781, ext. 4503 | Veterinary Expert |
| Angelo Liberti | Water Resources  Administrator for Surface Water Protection | (401) 222-4700, ext. 7225 | Fisheries Closure |
| William Patenaude | Water Resources  Operations & Maintenance | (401) 222-4700, ext. 7264 | Wastewater Treatment |
| Olney Knight | Forest Environment  Forester, Forest Fie Program Coordinator | (401) 539-1052  (401) 539-2356 | ICS Certified |
| Michael Byrns | RIDOH  Environmental Health Risk Assessment Toxicologist | (401) 222-7766  (630) 716-0345 | Toxicology |
| Leonard Giuliano | Emergency Response  State Meteorologist | (401) 222-1360, ext. 7041 | Weather |
| Dylan Ferreira | Fish and Wildlife  Senior Wildlife Biologist | (401) 789-0281 | Biology |

### **3.4.5 – SSEER (Scientific Support for Environmental Emergency Response)**

For the most recent information on SSEER, see: <https://ci.uri.edu/ventures/sseer/>