

MassDEP and Local BOH

MHOA

Meeting

February 29, 2024



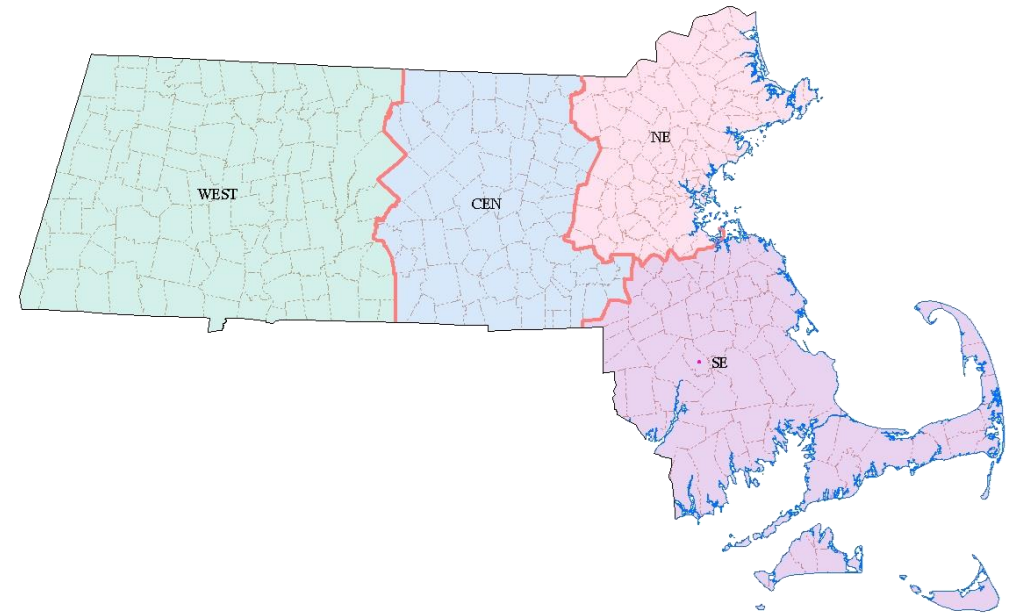
MassDEP

Commonwealth of Massachusetts
Department of Environmental Protection

Anthony Kurpaska, Section Chief
Emergency Response & Risk Reduction
MassDEP Central Region | Bureau of Waste Site Cleanup
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MassDEP Offices

- Headquarters in Boston
 - 100 Cambridge St
- 4 Regional Offices
 - NERO – 150 Presidential Way, Woburn
 - SERO – 20 Riverside Dr, Lakeville
 - CERO – 8 New Bond St, Worcester
 - WERO – 436 Dwight St, Springfield
- <https://www.mass.gov/orgs/massachusetts-department-of-environmental-protection>



MassDEP Organization

- MassDEP tasked with protection of public safety, public health, public welfare, and the environment
- Bureau of Air and Waste
 - Hazardous Waste, Solid Waste, Air, Climate
- Bureau of Water Resources
 - Drinking water, wastewater, septic, wetlands
- Bureau of Waste Site Cleanup
 - Emergency Response
 - Waste sites
- Environmental Strike Force

MassDEP Regions and ER Section Chiefs

David Slowick – Western Regional Office

Anthony Kurpaska – Central Regional Office

Andrew Clark – Northeast Regional Office

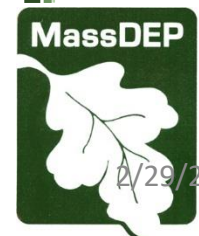
Daniel Crafton – Southeast Regional Office

Cathy Kiley—Boston-ER Coordinator



MassDEP's Emergency Response Section

- Part of the Bureau of Waste Site Cleanup
- 24/7 On-Call Personnel
- 340 Releases/160 Complaints Per Year in CERO
- Response with State-Funded Contractors—Contractors on are on-call for MassDEP
- Privatized Program- Licensed Site Professionals



Emergency Response

- Emergency Response 24/7/365
- 24-Hour Hotline
- Release or threats of oil and/or hazmat
 - Petroleum most common spilled material
 - Most Petroleum--RQ of 10 gallons
 - Roadway or residential most common location
 - Industrial releases rare, but can be big
- MGL ch 21E and 310 CMR 40.0000



 **MASSDEP**
EMERGENCY NOTIFICATION

888-304-1133

- ▶ **Oil/Hazardous Material Leaks/Releases/Spills**
Examples: 10 Gal. Petroleum or 25 Gal. Transformer Oil to Ground, Petroleum to Surface Water Causing Sheen
- ▶ **Drinking Water Emergencies**
Examples: Contamination, Distribution/Plant Failures, Source Loss
- ▶ **Wastewater Emergencies**
Examples: Bypasses, Failures, Overflows, Power Outages
- ▶ **Other Environmental Emergencies**
Examples: Threats from Air Pollution, Industrial Wastewater, Large Quantities of Hazardous Waste

Incidents - Complaints

- Mass DEP may receive reports of Complaints:
 - <https://www.mass.gov/how-to/report-environmental-violations>
 - Several Referred to BOH

Report environmental violations

Let us know about environmental activity that you suspect is illegal and/or places the public's health or our natural resources at risk

[Find Your Issue & File A Complaint →](#)

THE DETAILS

What you need

How to report

Next steps

Contact

What you need

For an oil spill or leak, the release of hazardous materials or other immediate threat to public health, please [Report a Spill or Environmental Emergency](#)

For environmental issues that you suspect are against the law and/or placing people's health or natural resources at risk, please [Find Your Issue & File a Complaint](#).

How to report

[Online](#) +

[By phone](#) +

CONTACT

Environmental Strike Force

[Phone](#)
1-888-846-5283

[Online](mailto:esf.hotline@mass.gov)
esf.hotline@mass.gov

TABLE OF CONTENTS

- ✓ Asbestos
- ✓ Burning (outdoors and indoors)
- ✓ Construction or Sand and Gravel Operations
- ✓ Dumping or Improper Disposal / Storage
- ✓ Dust or Odor Issues
- ✓ Farms and Animal Operations
- ✓ Heaters or Heating Equipment
- ✓ Idling or Smoky Vehicles
- ✓ Illegal operations, activities or false reports
- ✓ Indoor Air Quality
- ✓ Landfills and Recycling
- ✓ Manufacturing and Power Plants
- ✓ Noise Disturbances
- ✓ Pollution / Discharges to Water or Ground
- ✓ Quarries and Mines (Blasting Activities)
- ✓ Rubble Operations
- ✓ Septic systems / discharge of sewage / Title 5 issues
- ✓ Small Business Operations
- ✓ State Highways, Traffic, Noise Barriers
- ✓ Town Services (Street repair, public works, sanitation)
- ✓ Waste Sites
- ✓ Wetlands



Three types of Notifications

1. 2-hour—Sudden Release
2. 72-hour—UST, etc.

2-hr. and 72 hr. releases require completion of an Immediate Response Action (IRA)

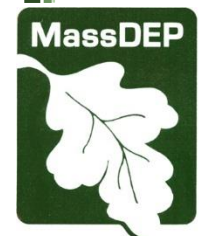
3. 120-Day-Notification of the presence of contamination

MassDEP assigns release tracking # (RTN)

All require cleanup in accordance with the MCP. PRP must retain LSP

Contractor for sites with IRA/Immediate concerns-2 hr and 72 hr.

releases and no PRP or reluctant PRP.



2-Hour Notifications

- Release to environment above Reportable Quantity (RQ):

<https://eeaonline.eea.state.ma.us/DEP/MOMHL/hazmat.aspx>

- Petroleum--10 gallons- gasoline, diesel fuel, waste oil etc.
- Vegetable Oil- 55 gallons
- Transformer Oil or MODF (PCB less than 2 ppm)—25 gallons
- Releases to surface water (“sheen”)
- Human health impacts-poses or could pose imminent hazard (IH)—Risk based—Releases to Drinking water and indoor air
- IH concentrations of OHM in surface soil—listed for As, Cd, Cr IV, CN, Hg, Methyl Hg, and PCBs
- Fishkill- attributable to OHM release

Emergency Response, Continued Mace Polymers Fire, Dudley



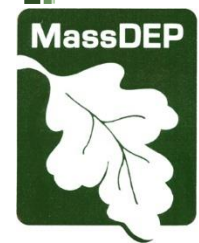
Emergency Response, Continued



72-hour Notifications

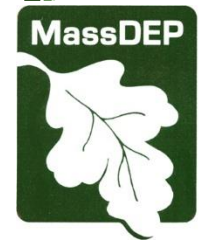
Including but not limited to:

- Underground Storage Tank (UST) Release- leaks during usage or discovered at time of removal;
- Release to groundwater near public and private water supplies;
- Conditions of Substantial Release Migration;
- Threat of Vapor Intrusion—GW-2 Standards exceeded near occupied residence (e.g. residence, school)
- Free Phase petroleum (LNAPL) near a sensitive receptor (residence).



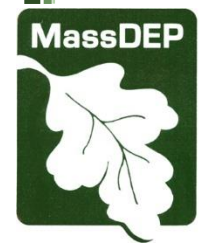
120-Day Notifications

- Generally submitted as a result of due diligence: discovery of OHM above applicable reportable concentrations (RCs) for soil and groundwater
- No existing IRA condition, but LSP must continue to evaluate the site for any IRA Conditions (2-hr, 72-hr. notifications).
- PRP submits complete Release Notification Form
- Notes LSP retained, if any
- ER Section processes 120-Day notifications and issues NOR w/ cc to BOH.



Releases Exempt from Notification

- Passenger vehicle accidents
- Releases “completely” contained in buildings or utility vaults
- Releases from lead paint emanating from original application site
- Release from building materials still in use
- Pesticides applied in accordance with labeling
- Release of propane and some liquified gases- public safety component
- Sheen from “normal” roadway and parking lot runoff
- Releases to sanitary sewer system with exceptions



Reportable Releases—Public File

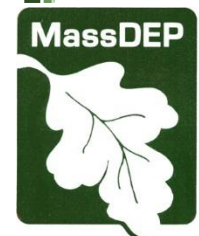
- Release Tracking Number (RTN) assigned by MassDEP for notifications
- Public Electronic File Links:
- <https://www.mass.gov/find-out-about-a-contaminated-property>

Searchable by town/address:

- <https://eeaonline.eea.state.ma.us/portal#!/search/wastesite>

RTN known:

- https://eeaonline.eea.state.ma.us/DEP/wsc_viewer/main.aspx



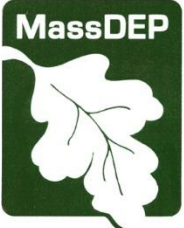
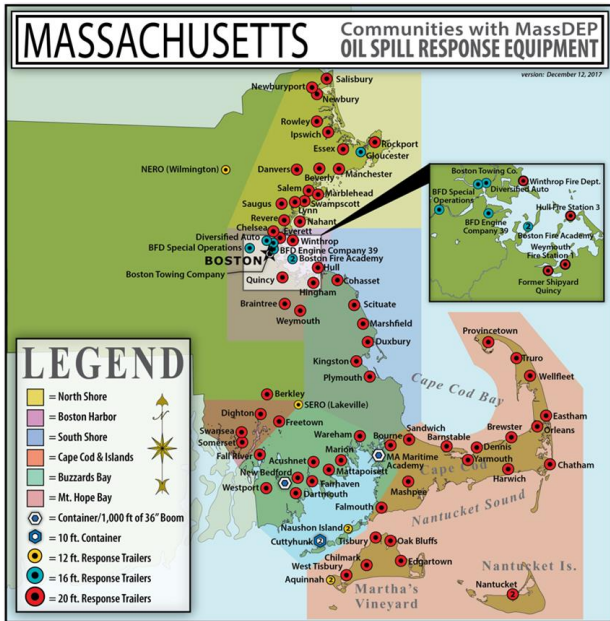
Emergency Response, Continued

- Authorized to commit MassDEP resources to address Imminent Hazards and other risk to public health and safety
- Operate under Incident Command System
- Joint response with Fire Departments and State Hazmat Teams
- US EPA and US Coast Guard



Emergency Response, Continued

- Massachusetts Oil Spill Prevention and Response Act
 - Geographic Response Strategies (GRS) development, testing and training; Spill trailers
- Incident Preparedness and Planning
 - Area Committees, Regional Response Team
 - Government Industry lead exercise
 - Outreach
- All Hazards Planning
 - Local and regional emergency planning committees
- FEMA Emergency Management Assistance Compact



Emergency Response, Continued

- Illegal dumping/abandoned waste



Emergency Response, Continued

- Airplane Releases

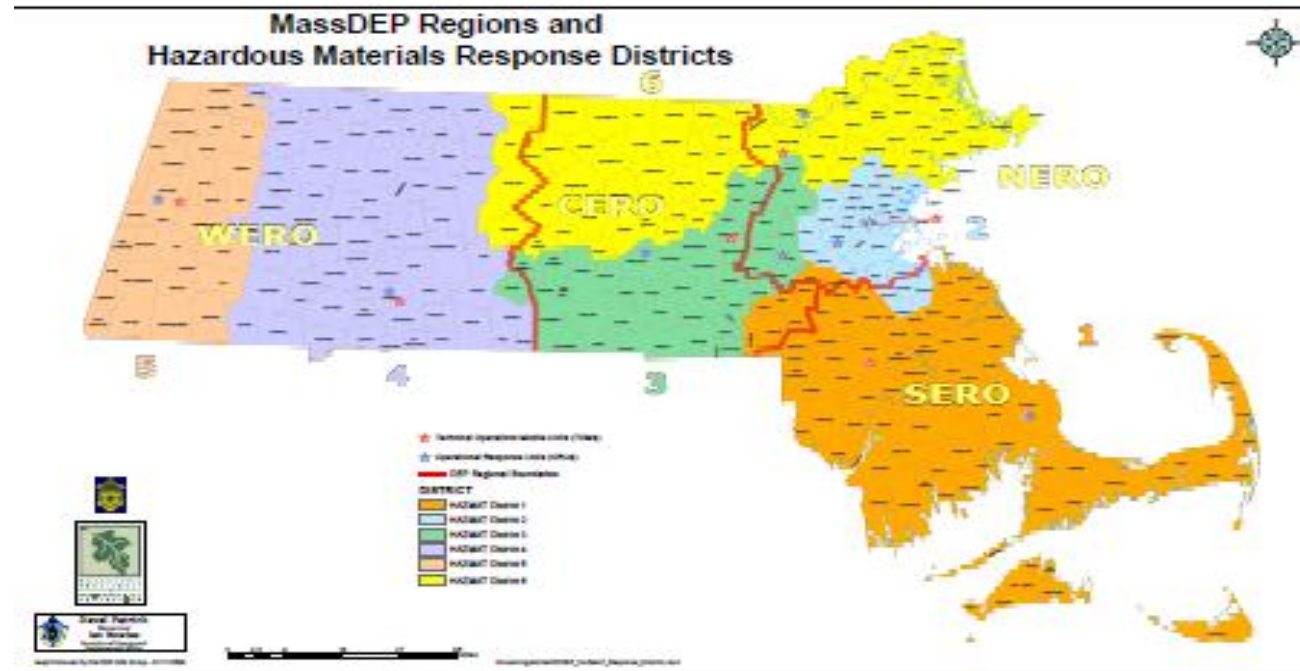


- Roadway Accidents



Emergency Response, Continued

- Joint Response with Fire Department and DFS Hazmat
 - Hazmat operates six regional Hazmat teams (Districts) to provide support to local fire department across the Commonwealth with technical information, expertise and specialized equipment.
 - Each Regional ER program coordinates with respective Hazmat Districts



Emergency Response, Continued

- Hazmat response defined as follows, with Tier 1 being the “lowest” and Tier 5 the “highest” (from DFS website):
 - Tier 1 – Hazardous & Risk Assessment – suspicious substance, open and loose suspicious powders
 - Tier 2 – Short Term Operation – Limited release;
 - Tier 3 – Long Term Operation – Full Team – Large Release;
 - Tier 4 – Multi District Response – Multi-operational period; and
 - Tier 5 – WMD/Mass Contamination - Full System Response (all District teams).
- Threat of Fire or Explosion
 - DEP function in a support role to FD and/or District Hazmat Team
 - Ambient Air Monitoring
 - Modeling Dispersion and Dilution
 - Field reconnaissance

Emergency Response and BOH

- Heating Oil releases
 - Age of Oil Tanks?
 - Line up to Code?
- Mercury response
 - Thermometers
 - Barometers
 - Compact Fluorescent Light Bulbs
 - Other devices
 - Guidance on response <https://www.mass.gov/guides/massdep-mercury-information>
 - Guidance for mercury spills at home: Prevention and response <https://www.mass.gov/info-details/mercury-spills-at-home-what-do-do>



Emergency Response and BOH

- Drinking water and Wastewater Treatment facilities
 - Spill/releases of chemicals used at the facilities
- Lithium-Ion Battery incidents
 - DFS Advisory
- Homeowner “Unknown Chemicals/container”



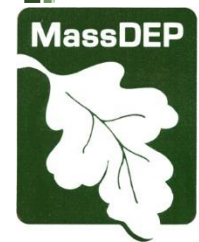
Emergency Response and BOH

MassDEP List of Emergency Response/Hazardous Waste Transporters

<https://www.mass.gov/service-details/lists-of-emergency-response-hazardous-waste-transporters>

Licensed Site Professionals

<https://www.mass.gov/how-to/hiring-a-licensed-site-professional>



Questions?



Designed by Patrickss / Freepik

