

# Environmental Concerns – Lithium-Ion Battery Responses

DFS Headquarters

Lithium Ion Battery Symposium

October 13, 2023

Stow, MA



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# Environmental Concerns

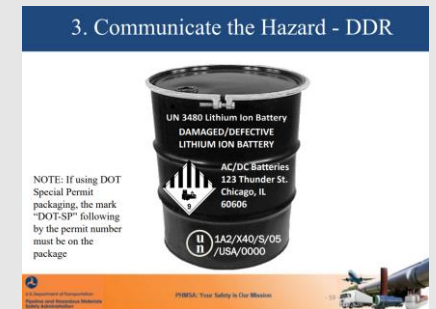
## Li-Ion Battery Response

Types of Li-Ion  
Battery responses  
MassDEP involved

Water used in  
response – sensitive  
Receptors? Other  
media impacted?

How Dispose of Li-  
ion battery (DDR)

Other issues – Ferry,  
Battery storage  
Facilities



# 2/6/23 DFS Advisory – Transport/Disposal information from MassDEP

- Vape Devices, Cell Phones, Tablets Computers;
- Personal Mobility Devices/E-Bikes; and
- Electric Vehicles:
  - Owner of Lithium-ion battery device should hire a hazardous waste (HW) Contractor for transport/disposal of Lithium ion battery container using a hazardous waste manifest.
  - If owner does not have means to hire HW Contractor, MassDEP may hire a HW Contractor for transport/disposal of Lithium ion battery container using a hazardous waste manifest.
- MassDEP Emergency Response 1-888-304-1133

# List of Hazardous Waste Transporters providing Emergency Response

## List for each MassDEP Region

### List of licensed Hazardous Waste (HW) Transporters who can provide Emergency Response Services in MassDEP's Western Region (WERO)

This list is provided by MassDEP to assist parties responsible for releases of Oil and/or Hazardous Materials (OHM) which pose an Imminent Hazard or Public Safety Threat, or for other situations that require the immediate retention of an emergency response contractor. Note that contractors listed below in bold are contractors who are contractually pre-qualified to undertake necessary response actions on behalf of the MassDEP if the responsible party is unable or unwilling to do so. There may be other companies that are qualified to complete necessary response actions. MassDEP Personnel cannot recommend or endorse any specific contractor.

Responsible parties have additional options for obtaining other qualified cleanup contractors, subject to approval by MassDEP, who can conduct response actions within required timeframes. Options include, but are not limited to:

1. Consult your fuel provider;
2. Consult your insurance provider;
3. Conduct an internet search for Massachusetts "oil spill" or "environmental" cleanup contractors;
4. Massachusetts State-Wide Contract FAC-110: Hazardous/Universal, Medical, Electronic Waste Disposal and Emergency Response <https://www.mass.gov/doc/fac110/download>.

MassDEP reserves the right to reject a contractor who in MassDEP's judgment is deemed unqualified or will not be able to provide necessary response actions within required timeframes.

Licensed Hazardous Waste Transporter	City, State	Phone	Response Type
1 <b>Clean Harbors, Inc., *</b>	Norwell, MA	800-645-8265	OHM
2 Cyn Oil Corporation	Stoughton, MA	800-242-5818	OHM
3 <b>Environmental Services, Inc., *</b>	South Windsor, CT	800-486-7745	OHM
4 J.H. Maxymilian, Inc.	Pittsfield, MA	413-499-3050	Oil
5 Miller Environmental Group	Springfield, MA	866-989-3559	OHM
6 <b>New England Disposal Technologies *</b>	Sutton, MA	800-698-1865	OHM
7 <b>NRC East Environmental Services/US Ecology *</b>	Franklin, MA	800-899-4672	OHM
8 Oil Recovery Corporation	W. Springfield, MA	413-737-2949	Oil
9 Trident Environmental Group, LLC	Marlborough, MA	888-590-8841	OHM
10 Western Mass Environmental	W. Springfield, MA	866-662-2622	OHM

**BOLD** MassDEP Emergency Response Contractor  
\* MassDEP Emergency Response Contractor able to respond to Lithium Battery events

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### List of licensed Hazardous Waste (HW) Transporters who can provide Emergency Response Services in MassDEP's Central Region (CERO)

This list is provided by MassDEP to assist parties responsible for releases of Oil and/or Hazardous Materials (OHM) which pose an Imminent Hazard or Public Safety Threat, or for other situations that require the immediate retention of an emergency response contractor. Note that contractors listed below in bold are contractors who are contractually pre-qualified to undertake necessary response actions on behalf of the MassDEP if the responsible party is unable or unwilling to do so. There may be other companies that are qualified to complete necessary response actions. MassDEP Personnel cannot recommend or endorse any specific contractor.

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Licensed Hazardous Waste Transporter	City, State	Phone	Response Type
1 All and Inclusive Environmental, Inc.	Charlestown, MA	866-204-0444	OHM
2 ACV Enviro Corporation	Norfolk, MA	866-777-4557	OHM
3 <b>Clean Harbors, Inc., *</b>	Norwell, MA	800-645-8265	OHM
4 Cyn Oil Corporation	Stoughton, MA	800-242-5818	OHM
5 <b>Environmental Services, Inc., *</b>	South Windsor, CT	800-486-7745	OHM
6 Frank Corp	New Bedford, MA	508-995-9997	Oil
7 Global Remediation Services, Inc.	Taunton, MA	508-828-1005	OHM
8 Mill City Environmental Corp	Lowell, MA	978-654-6741	OHM
9 Miller Environmental Group	Springfield, MA	866-989-3559	OHM
10 <b>Moran Environmental Recovery, LLC *</b>	Randolph, MA	888-233-5338	OHM
11 <b>New England Disposal Technologies *</b>	Sutton, MA	800-698-1865	OHM
12 <b>NRC East Environmental Services/US Ecology *</b>	Franklin, MA	800-899-4672	OHM
13 Oil Recovery Corporation	W. Springfield, MA	413-737-2949	Oil
14 Trident Environmental Group, LLC	Marlborough, MA	888-590-8841	OHM
15 Triumvirate Environmental, Inc.	Somerville, MA	800-966-9282	OHM
16 <b>Western Mass Environmental</b>	W. Springfield, MA	866-662-2622	OHM
17 Western Oil, Inc.	Lincoln, RI	800-240-5540	Oil

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### List of licensed Hazardous Waste (HW) Transporters who can provide Emergency Response Services in MassDEP's Northeast Region (NERO)

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3. Conduct an internet search for Massachusetts "oil spill" or "environmental" cleanup contractors;
4. Massachusetts State-Wide Contract FAC-110: Hazardous/Universal, Medical, Electronic Waste Disposal and Emergency Response <https://www.mass.gov/doc/fac110/download>.

MassDEP reserves the right to reject a contractor who in MassDEP's judgment is deemed unqualified or will not be able to provide necessary response actions within required timeframes.

Licensed Hazardous Waste Transporter	City, State	Phone	Response Type
1 All and Inclusive Environmental, Inc.	Charlestown, MA	866-204-0444	OHM
2 Boston Green Company	Lakeville, MA	888-338-2657	OHM
3 <b>Clean Harbors, Inc., *</b>	Norwell, MA	800-645-8265	OHM
4 Cyn Oil Corporation	Stoughton, MA	800-242-5818	OHM
5 Global Remediation Services, Inc.	Taunton, MA	508-828-1005	OHM
6 Green Site Services Group, Inc.	Bellingham, MA	855-977-2020	OHM
7 Mill City Environmental Corp	Lowell, MA	978-654-6741	OHM
8 <b>Moran Environmental Recovery, LLC *</b>	Randolph, MA	888-233-5338	OHM
9 <b>New England Disposal Technologies *</b>	Sutton, MA	800-698-1865	OHM
10 <b>NRC East Environmental Services/US Ecology *</b>	Salisbury, MA	800-899-4672	OHM
11 Trident Environmental Group, LLC	Marlborough, MA	888-590-8841	OHM
12 Triumvirate Environmental, Inc.	Somerville, MA	800-966-9282	OHM
13 Western Oil, Inc.	Lincoln, RI	800-240-5540	Oil

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### List of licensed Hazardous Waste (HW) Transporters who can provide Emergency Response Services in MassDEP's Southeast Region (SERO)

This list is provided by MassDEP to assist parties responsible for releases of Oil and/or Hazardous Materials (OHM) which pose an Imminent Hazard or Public Safety Threat, or for other situations that require the immediate retention of an emergency response contractor. Note that contractors listed below in bold are contractors who are contractually pre-qualified to undertake necessary response actions on behalf of the MassDEP if the responsible party is unable or unwilling to do so. There may be other companies that are qualified to complete necessary response actions. MassDEP Personnel cannot recommend or endorse any specific contractor.

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4. Massachusetts State-Wide Contract FAC-110: Hazardous/Universal, Medical, Electronic Waste Disposal and Emergency Response <https://www.mass.gov/doc/fac110/download>.

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2 ACV Enviro Corporation	Norfolk, MA	866-777-4557	OHM
3 <b>Clean Harbors, Inc., *</b>	Norwell, MA	800-645-8265	OHM
4 Cyn Oil Corporation	Stoughton, MA	800-242-5818	OHM
5 <b>Frank Corp</b>	New Bedford, MA	508-995-9997	Oil
6 Global Remediation Services, Inc.	Taunton, MA	508-828-1005	OHM
7 Mill City Environmental Corp	Lowell, MA	978-654-6741	OHM
8 Miller Environmental Group	Springfield, MA	866-989-3559	OHM
9 <b>Moran Environmental Recovery, LLC *</b>	Randolph, MA	888-233-5338	OHM
10 <b>New England Disposal Technologies *</b>	Sutton, MA	800-698-1865	OHM
11 <b>NRC East Environmental Services *</b>	Franklin, MA	800-899-4672	OHM
12 Trident Environmental Group, LLC	Marlborough, MA	888-590-8841	OHM
13 Triumvirate Environmental, Inc.	Somerville, MA	800-966-9282	OHM
14 US Ecology	Wrentham	800-426-9878	OHM
15 Western Oil, Inc.	Lincoln, RI	800-240-5540	Oil

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\* MassDEP Emergency Response Contractor able to respond to Lithium Battery events

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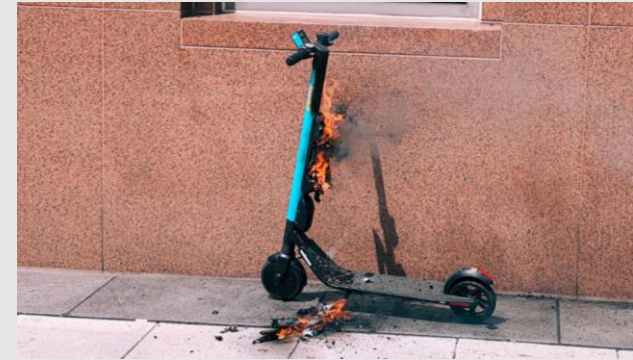
○ [https://www.mass.gov/info-details/lists-of-emergency-response-hazardous-waste-transporters?\\_gl=1\\*15c0480\\*\\_ga\\*MTYyOTQ3MjY2MS4xNjgyOTQ3Mjc4\\*\\_ga\\_MCLPEGW7WM\\*MTY5Njg3ODQzMS4xMS4wLjE2OTY4Nzg0MzEuMC4wLjA](https://www.mass.gov/info-details/lists-of-emergency-response-hazardous-waste-transporters?_gl=1*15c0480*_ga*MTYyOTQ3MjY2MS4xNjgyOTQ3Mjc4*_ga_MCLPEGW7WM*MTY5Njg3ODQzMS4xMS4wLjE2OTY4Nzg0MzEuMC4wLjA).

○ Additional transporters can found at: <https://www.mass.gov/doc/massdep-licensed-hazardous-waste-transporter-list-april-2023/download>



# Examples MassDEP: Li-Ion Battery Responses

- Most often Tier 1 – contacted for phone or field response to assist
- Tesla Car Fire (Norwell) (Field)
- Battery overcharged/fire (Chicopee) (Field)
- E-Motorcycle (Amesbury) (Phone)
- Portable Power Station (Lowell) (Phone)
- House Fire (Brockton) (Phone)



# Field Response – Runoff water

- Tesla Fire – Norwell; July 2022
- Dealership – Floor drains, tight tank and 4 catchbasins
- 500 feet east of Public Drinking Water Reservoir (Accord Pond)
- Estimated 10,000 gals water used – initial fire (vehicle was inside building)
- Vehicle relocated to center of parking lot and re-ignited and caused brush fire – estimated 4,000 gals water used







# Other Issues

- Disposal – issues all states and Federal Agencies dealing with
  - MassDEP Guidance – use contractor – dispose as HW
  - Issues working on at federal level – transport, disposal, recycling
- Ferry/Container Ships
  - MassDEP coordinating with USCG and other agencies/FD/partners
    - Plymouth-Salisbury Area Committee Exercise in Spring 2023
    - Sector Southeastern Massachusetts and RI – exercise on 10/10/23
- Battery Storage Facilities
  - Could have Li-Ion, or combination of other chemicals (example Carver – Lithium iron phosphate (LFP))



# Questions?



Designed by Patrickss / Freepik

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HW Disposal questions