

Waste Ban Webinar for Haulers



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Who is this meeting for?

- Existing waste, recycling, or food waste hauler
- Any size company – nationwide down to 1 truck
- Potential new hauler
- Other collection company
 - Such as junk collection or cleanouts

What are the “waste bans” ?

- Waste ban regulations restrict the disposal, or transfer for disposal, of certain hazardous and recyclable materials at solid waste facilities in Massachusetts
- Started in 1991
- 310 CMR 19.017(3)(a): “No person shall dispose, transfer for disposal, or contract for disposal or transport of the restricted material...”



Waste Ban Goals

- Drive investment, infrastructure growth and job creation by ensuring consistent material supply
- Conserve limited disposal capacity
- Assist in meeting the Solid Waste Master Plan waste reduction goals

Who do the waste bans apply to?

310 CMR 19.017(3)(a): “No person shall dispose, transfer for disposal, or contract for disposal or transport /of the restricted material...”

- **Permitted Facilities**
- **Haulers**
- **Generators**



Banned Materials

- **Recyclable Paper** All paper, cardboard, and paperboard products (EXCEPT tissue paper, toweling, paper plates and cups, **wax-coated cardboard** and other low-grade paper products which become unusable to paper mills as a result of normal intended use)
- **Glass, Metal, Plastic Containers**
 - Glass: Glass bottles and jars
 - Metal: Aluminum, steel or bi-metal beverage and food containers
 - Plastic: Bottles, jars, jugs, and tubs

Banned Materials

- **Leaves and Yard Waste**
- **Commercial Organic Materials**
 - Food material and vegetative material (e.g., florist cuttings)
- **Construction & Demolition Materials**
 - **Asphalt Pavement, Brick and Concrete:**
 - **Metal**
 - **Clean Gypsum Wallboard**
 - **Wood** (Banned from disposal at landfills, not municipal waste combustors)

Banned Materials

- **Batteries**

Lead-acid batteries used in motor vehicles or stationary applications.

- **Cathode Ray Tubes**

Older televisions and computer monitors

- **White Goods**

Includes refrigerators, freezers, dishwashers, clothes washers, clothes dryers, gas or electric ovens and ranges, and hot water heaters.

- **Whole Tires** (Banned for disposal at landfills, not municipal waste combustors)
- **Mattresses** and Textiles (banned beginning Nov. 1, 2022)

MassDEP Compliance & Enforcement

- MassDEP conducts inspections at solid waste facilities
- Only issue enforcement for violations that we observe
- Also send letters based on facility records, 3rd party reports and complaints from public
- Also issue formal request for information letters to waste generators or haulers

Typical Hauler Waste Ban Enforcement Cases

- Collecting separated materials with trash
- Mixing trash and recycling routes in one truck
- Co-collecting trash and recyclables
- Failure to respond to formal information requests
- Generally no facilities that can accept “mixed loads” in compliance with waste bans
 - Exception is C&D handling facilities for mixed C&D



What can waste haulers do?

- Train your employees
 - Sales & customer service
 - At pick up
 - At receiving facility
- Educate your customers
 - Point of sale and customer service
 - Opportunity to avoid enforcement
- Keep Good Records
 - Share feedback on failed loads
 - Respond to MassDEP information requests promptly



Key Waste Ban Guidance

- Hauler Guidance

- <https://www.mass.gov/doc/guidance-brief-haulers-waste-ban-compliance/download>

- Business Guidance

- <https://www.mass.gov/doc/fact-sheet-your-business-the-waste-bans/download>
- <https://www.mass.gov/doc/fact-sheet-property-managers-the-waste-bans/download>

- Material Specific Guidance

- <https://www.mass.gov/guides/massdep-waste-disposal-bans#-material-specific-compliance-assistance->



Waivers

- Must be requested in advance
- Cannot intentionally contaminate waste ban materials
- Must document that no alternative to disposal – must check with and pursue outlets
- Cost is not a valid basis for a waiver
- MassDEP issues for as short a time and small a quantity as possible
- Issued to generator, copy to hauler and receiving facility



Waiver – How to Request

- Need to know
 - Where going for disposal, willing to receive?, generator location and contact info, hauler and contact info, quantity and duration
- Waiver Contacts
 - Robert.tocchio@mass.gov
 - Sean.sylver@mass.gov
 - Regional solid waste section chiefs



New Waste Disposal Bans

- Final Regulations published on 10/29/21
- Effective date of new bans will be November 1, 2022
- Includes mattresses, textiles and reduced food waste threshold (from 1 ton to ½ ton per week)

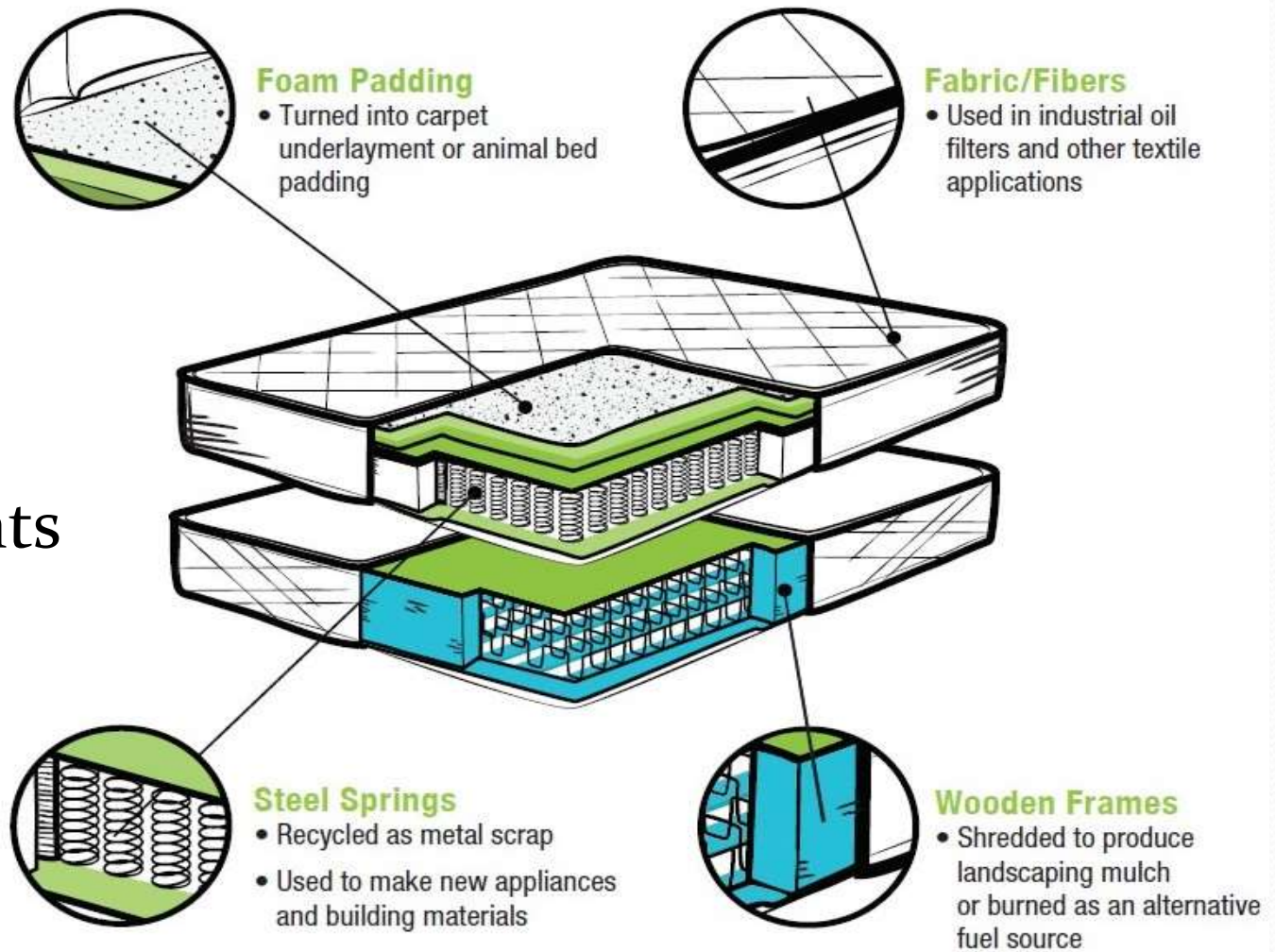


Mattress Waste Ban

- Mattress or box spring – all sizes
- Includes foam and latex mattresses
- Excludes futons, sofa beds, air mattresses

Why Mattresses?

More than 75% of a mattress's components can be recycled.



Infographic courtesy of the Mattress Recycling Council (MRC)



Contaminated Mattresses

- Excludes mattresses contaminated with mold, bodily fluids, insects, oil, hazardous substances
 - Very small percentage of collected mattresses
 - Must be stored so that not contaminated – otherwise considered waste ban violation
 - Grinding mattress to recover metal and wood not compliant (unless contaminated)
- If need to dispose of contaminated mattresses, should track and document quantities, contamination, how managed

Available Infrastructure & Outlets – Mattresses

- <https://www.mass.gov/service-details/mattress-recycling>
- FAC90 State Contract
- www.recyclingworksma.com
- <https://www.mass.gov/doc/mattress-waste-disposal-ban-recycling-guidance-for-municipalities/download>



Mattress Collection Options

- Curbside collection – hauler
- Curbside collection – municipal staff
- Curbside collection – with bulky waste
- Curbside collection – with white goods
- Residential direct service with “preferred vendor”
- Do not collect – private collection only



Mattress Collection Options

- Municipal drop-off center
- Regional collection center – multiple municipalities
- Regional milk run collection
- One-day collection event – drop-off



Textiles Waste Ban

- “clothing, footwear, bedding, towels, curtains, fabric, and similar products, except for textiles that are contaminated with mold, bodily fluids, insects, oil, or hazardous substances.”
- Wiping clothes or shop rags not subject to bans
- Textile recovery organization or generator can request waiver for material that is not contaminated, but unrecoverable

Available Infrastructure & Outlets – Textiles

- Beyond the Bin Recycling Directory
 - <https://recyclesearch.com/profile/ma>
- www.recyclingworksma.com
- Textile Collection Options
 - Municipal drop off centers
 - Promote charity and private drop off boxes
 - Private/charity collection programs
 - Separate curbside collection



Food Waste Ban

- Currently business or institution that generates >1 ton or more per week
- Beginning November will be > ½ ton per week
- Common Q&A
 - Does not count residential – e.g. apartment building
 - Does count residential food service – e.g., assisted living with dining room (similar for college dorms)
 - Chains and schools are counted per location
- To comply must dispose of < threshold amount

Businesses Subject to Reduced Threshold

- Restaurants
- Smaller grocery stores
- Large public schools
- Businesses that need to achieve further reductions
- Also opportunities to serve smaller businesses below threshold or residents
- To estimate food waste by business sector:
 - <https://recyclingworksma.com/food-waste-estimation-guide/>

Estimating Food Waste - Restaurants

	Average Measurement		Material
Meals Served [Full-Service]	1	lbs/meal	Food Waste
Meals Served [Limited-Service]	0.5	lbs/meal	Food Waste
Employees [Full-Service]	3,000	lbs/employee/year	Food Waste
Employees [Limited-Service]	2,200	lbs/employee/year	Food Waste
Disposed Waste ¹ [Full-Service]	66	% of disposed waste by weight	Food Waste
Disposed Waste ¹ [Limited-Service]	51	% of disposed waste by weight	Food Waste

Available Infrastructure & Outlets – Food Waste

- Many ways to comply:
 - Prevention/reduction,
 - Donation/rescue,
 - On-site systems,
 - Haul off site to anaerobic digestion, composting, intermediate processing or animal feed
- www.recyclingworksma.com
- <https://www.mass.gov/doc/map-list-of-massachusetts-sites-accepting-diverted-food-material-april-2022/download>



Businesses Diverting Food Waste

Year	# Businesses Diverting
2014	1,350
2015	1,550
2016	1,700
2017	2,250
2018	2,600
2019	3,250
2020	3,200
2021	3,500



Resources for Haulers

- Grants and Loans
 - Recycling Loan Fund -
<https://www.bdcnewengland.com/programs/massachusetts-recycling-loan-fund/>
 - Collection equipment grants for new waste ban materials – TBD
- RecyclingWorks in Massachusetts
 - Free assistance for businesses and institutions
 - Waste ban compliance assistance www.recyclingworksma.com



Recycling Assistance for Businesses & Institutions

RecyclingWorks in Massachusetts is a recycling assistance program funded by the Massachusetts Department of Environmental Protection and delivered under contract by the Center for EcoTechnology that helps businesses and institutions reduce waste and maximize recycling, reuse, and food recovery opportunities.

[LIST YOUR BUSINESS](#) [ABOUT RECYCLINGWORKS](#) [ABOUT THE FIND-A-RECYCLER TOOL](#)



RecycleSmart MA

- Recycle Smart MA - <https://recyclesmartma.org/>
 - Education on how to recycle smart in Mass
 - Free resources and tools
 - Become a partner at <https://recyclesmartma.org/become-a-partner/>

Recyclopedia: Can I recycle it?

Enter name of item (ex. bottle)

Search

Read the newsletter

DO YOUR PART.



Multi-Family and Mixed Use Properties

- Frequent non-compliance in this sector
- Enforcement can go against property manager or tenant business
- Multi-family housing often unserved/underserved for recycling – leads to waste ban violations
- Or poor performance by tenants separating recyclables from trash
- RecycleSmart and Recycling Works in MA assistance resources



Other Resources

- Sustainable Materials Recovery Program Municipal Grants - <https://www.mass.gov/how-to/apply-for-a-sustainable-materials-recovery-program-smrp-municipal-grant>
 - Recycling Dividends Program
 - Equipment Grants
 - Municipal Assistance Coordinators
- Recycling & Waste Reduction Innovations Grant – under development
- New Waste Bans Collection Equipment Grants - TBD



Other Information

- Solid Waste Master Plan
 - <https://www.mass.gov/guides/solid-waste-master-plan>
- Solid Waste Advisory Committee
 - <https://www.mass.gov/service-details/massdep-solid-waste-advisory-committee>

Subcommittees & Workgroups

- Construction & Demolition - <https://www.mass.gov/service-details/massdep-construction-demolition-subcommittee>
- Organics - <https://www.mass.gov/service-details/massdep-organics-subcommittee>
- Reduce & Reuse - <https://www.mass.gov/service-details/massdep-reduce-reuse-rr-working-group>
- Recycling Market Development - <https://www.mass.gov/service-details/massdep-recycling-market-development-workgroup>



For More Information

- MassDEP Waste Bans Page
 - <https://www.mass.gov/guides/massdep-waste-disposal-bans>
- MassDEP Food Waste Page
 - <https://www.mass.gov/guides/commercial-food-material-disposal-ban>
- MassDEP Mattresses Page
 - <https://www.mass.gov/service-details/mattress-recycling>
- MassDEP Textiles Page
 - <https://www.mass.gov/guides/massdep-textile-recovery>
- RecyclingWorks in Massachusetts
 - www.recyclingworksma.com
- Email: john.fischer@mass.gov