Massachusetts Waste Bans

Sumner Martinson, MassDEP April 24, 2014



Waste Bans Background

Purpose:

- Implement as part of a comprehensive approach
- Ensure materials available for recycling & composting facilities
- Limit need for disposal capacity

Waste Ban Background

Who do they apply to?

<u>310 CMR 19.017(3)(a)</u>: "No person shall dispose, transfer for disposal, or contract for disposal of the restricted material..."

- Solid Waste Facilities
- Haulers
- Generators

Banned Materials

- Recyclable Paper/Cardboard
- Glass, Metal, Plastic Containers
- Leaves and Yard Waste
- Asphalt Pavement, Brick, Concrete, Metal, Wood and Clean Gypsum Wallboard
- Lead Acid Vehicle Batteries and Tires
- Cathode Ray Tubes
- White Goods (large appliances)
- * Tires and Wood can be accepted at municipal waste combustors

Overall, waste ban materials = about 40% of trash disposed

MassDEP Waste Ban Compliance

Strategy

- Using facility and third party data
 - Outreach and targeting inspections
- Increased inspections and enforcement
 - Inspections at solid waste facilities
 - Looking for large amounts of banned materials
 - More than 150 enforcement actions since January 2013
- RecyclingWorks resources and assistance

Cardboard



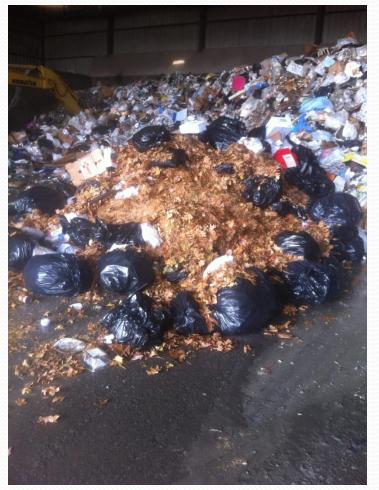
Paper



Bottles and Cans



Leaves and Yard Waste



Organics Policy and Goals

- Solid Waste Master Plan
 - Overall goal reduce disposal by 2 million tons (30 %) annually by 2020
 - Reduce disposal by 80% by 2050
- Primary Goal Divert additional 350,000 tons per year of organic materials from disposal by 2020
- Clean Energy Results Program
 - Support the development of renewable energy in Mass.
 - Goal to have 50 MW of anaerobic digestion in place by 2020

Why focus on food waste/organics?

- Food waste and other organics >25% of disposal in Mass. > 1 million tons per year
- Food waste estimated 15% of MSW disposal
- Compostable paper 6 % of MSW disposal

Benefits

- Opportunity to digest for energy and/or compost to produce soil amendments/fertilizers
- Management solutions for dairy manure & wastewater residuals
- Opportunity to generate energy at farms, waste water plants, other locations
- Cost effective materials management for businesses/institutions
- Reduced reliance on disposal capacity

Organics Action Plan Overview

- Comprehensive, integrated set of strategies
- Developed working with stakeholders
- Focused on 2020 goal 350 K tons additional diversion annually
 - Data Analysis
 - Collection Infrastructure
 - Processing Capacity/Market Development
 - Regulatory Reform/Waste Ban

Current Status/Progress to Date

- Estimate baseline 100,000 tons of food waste diversion
- Composting farms and small commercial sites about 30 locations
- Pig farms/animal feed
- On-site systems
- Estimated 1,400 businesses/institutions now diverting food waste – includes 300 supermarkets
- Growth in organics hauling services

Building Collection Infrastructure

- RecyclingWorks resources and assistance
 - Guidance on food waste reduction/donation
 - Best management practices guidance
 - Direct technical assistance
 - Service provider database
- Recycling Loan Fund haulers eligible

Growing Processing

Capacity/Markets

- Solid waste regulations siting changes
 - Promulgated November 2012
 - Clarify requirements, reduce siting barriers
 - Facilities taking source separated materials do not require solid waste facility site assignment
 - Allow waste water plants to accept food waste to AD w/o being solid waste facility
- Grant and loan funding for facility development

Commercial Organics Waste Ban

- Will take effect October 1, 2014
- Food waste and vegetative material
- Does not apply to management in wastewater
- Commercial/institutional organics dispose > 1 ton/week
- Estimate 1,700 businesses/institutions subject to the ban
- How to count: campuses, chains, dorms

Resources and Assistance

- RecyclingWorks in Massachusetts
 - www.recyclingworksma.com
 - 1-888-254-5525
 - info@recyclingworksma.com
 - Searchable service provider database
 - Direct technical assistance

Web Resources

- Estimating food waste generation by sector
 - K-12 schools 4,000 students or more
 - Colleges 730 or more residential, 2,750 or more nonresidential
 - Hospitals 84 beds
- How to comply with commercial organics ban
 - Reduction, donation, on-site options, off-site options

Web Resources

- BMPs for food waste collection
 - Kitchen separation
 - Hauler collection
 - Outdoor storage
- Food donation page
- Food waste reduction page (coming soon)
- Case studies

Commercial Organics Vendor Fair

- June 12, Framingham 9-2
- Wide range of vendors specific to food waste reduction and diversion
- Any equipment or service provider that can help a business comply with the ban
- Workshops on basics of the ban and BMPs

Contact Information

www.mass.gov/dep/public/committee/swacorg.htm
www.mass.gov/dep/recycle/reduce/commorg.htm
http://www.mass.gov/dep/cleanenergy.htm
www.recyclingworksma.com

Sumner Martinson, MassDEP

Sumner.martinson@state.ma.us

617-292-5969