



Retail Environmental Workgroup Meeting

December 16, 2016

Agenda



1. Introductions/Participants
2. Meeting Follow-up
 - a. Part 173 E-Waste Takeback Requirements for Retail
 - b. Waste Type/Unique Retail Issues List Updates – Added Characteristic Food Products

Part 173 Electronics



Michigan DEQ
Office of Waste Management and Radiological
Protection

Sustainable Materials Management Unit

Part 173 Electronics



Basic Premise of the Program:

- ❑ Manufacturer of covered electronic devices provides reasonably convenient access to end-of-life recycling for specified devices; no end-of-life fees for consumers wanting to recycle covered devices; manufacturers establish and support the programs.
- ❑ Covered devices
 - Desktops, Laptops, Tablets, Computer Monitors, Printers and Televisions
- ❑ Focus of the law: Residential and small businesses

Manufacturer Responsibility

- ❑ Register product brand with the program
- ❑ Pay registration fee
- ❑ Establish a takeback program in the state
 - ❑ 4 options: mail back, collection locations, collection events, retail drop off.
- ❑ Programs need to be reasonably convenient
- ❑ Devices accepted at no additional charge to consumers

Recyclers Responsibility



- Register with the program
- Pay registration fee
- Meet performance standards (certification programs)
- Submit to DEQ inspections
- Follow proper data sanitization protocol
- Properly recycle the material collected

Retailer Responsibility



- Sell only registered devices to Michigan consumers
 - ❑ Sec. 324.17307 ... "shall not sell or offer for sale to any person in the state... unless the manufacturer appears on the applicable registration list"
 - ❑ DEQ generates a list 6 times a year
 - ❑ November, December, January, March, May, August
- Retailer: Not necessary to have a physical presence in the state; law applies to online or physical location in MI
- DEQ staff do conduct compliance visits
 - ❑ Results are communicated to manufacturer and retailer contacts (if we have them).

Program Information



- www.michigan.gov/deqewaste
 - ❑ Scroll down to Retailer section
 - ❑ Click on “registered brands” list
 - ❑ Review to look for particular brand

Contact Information



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Characteristic Food Products

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- c. Web Page & Publication Updates
 - i. **New** Aerosol Can Recycling Guide
 - ii. **New** *Summary of Accumulation Requirements*
 - iii. **New** Pesticide Minor Repair Guide
 - iv. MHA Pharmaceutical Waste Guide
 - v. Waste Characterization Reference Book
 - vi. Next Meeting Dates

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d. GovDelivery Updates

i. Notices

- 12/2 Aerosol Can Puncture Guide
- 12/15 Pesticide Guide

ii. Subscribers

- 12/15 - 391

GovDelivery



Subscribers	Topic	Date	Open Rate	Click Rate
192	Intro to Workgroup	6/29/16	35%	4%
232	Inspection Process	8/10/16	30%	8%
273	Food Recovery Webinar	9/16/16	33%	3%
285	New Greenhouse Gas Rules	10/4/16	30%	7%
299	Waste Webinar Series	10/21/16	26%	4%
371	Aerosol Can Recycling Guide	11/29/16	31%	3%
391	Pesticide Patching Guide	12/15/16	19%	3%

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- e. Webinars – www.michigan.gov/deqevents
 - i. Waste 101 - 9/21
 - ii. Universal Waste - 11/16
 - iii. Green Infrastructure – 11/22
 - iv. Radon in Real Estate 12/21
 - v. Waste Characterization & Generator Status – 1/18
 - vi. Used Oil 2/23
 - vii. Waste Accumulation – 3/22
- Recorded

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- 3. New Items
 - a. Draft Retail Guide
 - i. Comment Deadline
 - ii. Draft Index

DRAFT INDEX

- I. DEQ Background
 - A. Common Michigan Waste Regulations
 - B. Inspection Process
- II. Retail Background
 - A. Waste
 - i. Figure 1. Retail Store Point of Generation Flowchart
 - B. Flow of Retail Goods
 - i. Reverse Distribution
 - ii. Reverse Logistics
 - iii. Reverse Distribution and Reverse Logistic Centers
- III. Recordkeeping
- IV. Waste Accumulation
- V. Challenging Waste Types
 - A. Pharmaceuticals
 - B. Electronic Cigarettes
 - C. Aerosol Cans
 - D. Food Waste
 - i. Fats, Oils, and Grease
 - ii. Alcohol
 - iii. Food Products
 - E. Universal Wastes
 - i. Pesticides
 - ii. Lamps
 - iii. Mercury Devices
 - iv. Batteries
 - v. Pharmaceuticals
 - vi. Consumer Electronics
 - vii. Antifreeze
 - F. Pesticide Minor Container Repair
- VI. Appendix A
 - A. Summary of the Hazardous Waste Generator Categories
 - B. Summary of Hazardous Waste Generator Requirements

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a. Draft Retail Guide

iii. Why Developed

iv. How to Use

v. Disclaimer

vi. DEQ Background

- Michigan Waste Regulations
- Inspection Process

vii. Retail Background

- Examples of Retail Wastes
- Retail Store Point of Generation Flowchart

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- b.** Next Retail Guide
 - i.** Reverse Distribution
 - ii.** Reverse Logistics
 - iii.** Distribution Centers
 - iv.** Recordkeeping
 - v.** Accumulation
 - vi.** Universal Waste

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- c. Universal Waste Pesticides & Waste Pesticide Collection Program
- d. Characteristic Food Waste
- e. De-manufacturing Equipment & Organics Recovery
- f. Next Meeting Dates – 3/3 (instead of 2/24), 4/28, 6/23, and 8/25

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4. Association Updates
5. Close