Upcoming Changes to Ann Arbor Composting

Working towards new changes for composting

July 10, 2023, 4 pm
July 12, 2023, 2 pm
Welcome and Introductions

Jennifer Petoskey  
City of Ann Arbor

Rod Tyler  
WeCare Denali

Susan Thoman  
Compost Manufacturing Alliance

Jennifer McCullen  
My Green Michigan
As of January 1, 2024, WeCare Denali will no longer accept BPI (Biodegradable Products Institute)-only certified material or compostable plastics of any kind, including plastic liners. The only manufactured compostable products to be accepted will be those that have received the Compost Manufacturing Alliance – Windrow (CMA-W) certification and are made of only fiber (i.e., paper, wood) materials. In addition, bamboo and palm products will not be accepted as they do not degrade within timeframes of other materials.
<table>
<thead>
<tr>
<th>Category</th>
<th>Manufacturer</th>
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<tbody>
<tr>
<td>Food Trays</td>
<td>Cascades Canada ULC</td>
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<td>Eco Products</td>
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<td>Inno-Pak</td>
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<td>Southern Champion Tray</td>
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<td>Speciality Quality Packaging</td>
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<td>Fry Bags, Cones, Pockets</td>
<td>Fischer Paper Products</td>
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<td>Speciality Quality Packaging</td>
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<td>Servewise * by FOH</td>
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<td>Straws (paper, unless otherwise noted)</td>
<td>Aardvark</td>
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<td>Footprint</td>
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<td>Hefty (Ecosave)</td>
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<td>Holy City (plant stem/reed straws)</td>
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<td>OK Straw</td>
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<td>FOH</td>
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<td>Strawprint (wheat reeds)</td>
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<td>Virecent</td>
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Certain Manufactured Products

A list of acceptable CMA-W certified manufactured products can be found at [url.a2gov.org/cmacompost](http://url.a2gov.org/cmacompost).

- CMA-W certified
- Fiber only
- Excluding bamboo & palm leaf

City of Ann Arbor
Denali Updates to City of Ann Arbor Compost Site feedstock acceptance

Compostable Packaging Products

July 2023

Rod Tyler
Midwest Regional Operations Manager
Who Is Denali?

Introduction:

- Garret Davis
  - Ann Arbor Site Manager
  - 6+ years experience in Ann Arbor
  - Experience with all technological processes of composting

- Rod Tyler
  - Midwest Regional Manager
  - Agronomist
  - 30 years in Composting Industry
  - Former President of USCC

- Certified Compost through USCC STA
- OMRI Listed for Organic growing of food
Who Is Denali?

- #1 In Compost Facilities Management In The United States In Total Tons Processed Annually
- Over 25+ Composting Facilities Nationwide
- Biosolids, food wastes, yard wastes
- Operating In Key States:
  - Arizona
  - California
  - Connecticut
  - Florida
  - Illinois*
  - Maryland
  - Michigan
  - Ohio
  - New Jersey
  - New York
  - Texas

Clarkstown, NY
Transition in compostables acceptance policy

- Denali, along with a growing number of composters across the U.S., use the CMA certification for compostable products.
- CMA requires that products meet recognized ASTM lab standards, but also pass field disintegration testing in the processes they go into.
- The City of Ann Arbor facility is a windrow facility (CMA-W).
- CMA will provide overview of program.
Steps of site management

GRINDING OF INBOUND YARD WASTE

- Wood waste
- Combined yard waste
- Sometimes first and second grind
- These ground piles are moved to windrows
Windrow processing

PAPER BAGS ARE CLEANER AND LESS CONTAMINATED

CONTAMINANTS CONCENTRATE
Issues with Plastic contamination to Denali (and our customers)
Outbound markets

MARKET SECTORS

- Landscaping
  - Trees and shrubs
  - Turf
  - Topdressing
- Organic farming – Certified organic USDA
- Nurseries in field or containers
- Topsoil blenders
- DOT projects
WHAT IS CMA?

Third-Party Compostable Products Certification

Connecting the Supply Chain to the Compost Piles

City of Ann Arbor
Contaminants in compost are costly!

Compost manufacturers must be involved in understanding the products designed for their facilities.
CMA PROCESS TECHNOLOGIES

Windrow (CMA-W)

Covered In-Vessel (CMA-I)

Aerated Static Pile (CMA-A)
THIRD PARTY CERTIFIER - COMPOSTABLE ASTM + FIELD DISINTEGRATION

ASTM D6400/D6868 results review OR equivalent certification

Field Disintegration Test OR untreated paper and wood

Composter Approved and Certified for Compostability

City of Ann Arbor
Effective January 1, 2021, Any items in these categories that are on the acceptance list will be taken off.

- Items confirmed to contain > 100 ppm total fluorine
- Any items that have not been responded to with the requested documentation
TESTING PROCESS

Visual data is recorded and logged

Samples are placed in nylon bags

80% Feedstock
20% Products
FRAGMENTS ARE PULLED AND BAGGED
Samples brought back to CMA testing center in Seattle, photographed and reported.

Feedstock sample data is also collected and sent out for lab analysis.
Certain Manufactured Products

A list of acceptable CMA-W certified manufactured products can be found at url.a2gov.org/cmacompost.

City of Ann Arbor
GOAL

CMA works to ensure collective investments are connected

Citizens/Sustainability Groups
Community Members

Capacity/Infrastructure
Composters

Cities, Haulers
Outreach, Collection

R&D, Product Development
Product Manufacturer
Responding to market requirements with environmentally friendly product ranges and continuously developing the “Green” product range available to distributors in Ann Arbor

- Degradable
- Certified Compostable
- Recycled
- Recyclable or reusable
Ann Arbor CMA Certified Product Availability

✓ CMA+ Bunzl are working in national collaboration to ensure products are stocked in CMA facility regions

✓ Bunzl is a logistics giant that is doing outreach as a supply chain expert to distributors carrying niche lines, like compostables

Local distributors that carry compostables:

Highland Supply
1415 Enterprise Dr.
Highland, MI 48357
248-714-8355
https://highlandsupply.net

Green Safe Products
14805 Linwood St.
Detroit, MI 48238
313-326-3100
https://greensafeproducts.com

BGreen
3660 Plaza Dr, Suite 6
Ann Arbor, MI 48108
734-214-3000
https://bgreentoday.com

My Green Michigan
877-304-5810
office@mygreenmi.com
Convenient and effective solutions to divert food waste:

- Subscription, single-stream collection.
- Customizable & flexible service options:
  - 64 gallon curbside carts – any number on site.
  - Choice of bi-weekly, weekly, and 2x per week pick up.
- Wide range of accepted materials – ALL food items.
- Source for purchasing CMA approved products.
- Disposal to industrial composting.

Service is offered in partnership with Waste Management.

Sign up by emailing: miohinpublicsector@wm.com or at the city’s website: url.a2gov.org/cmacompost
More information

url.a2gov.org/cmacompost
Questions?
THANK YOU