



Universal Waste Regulations: Aerosol Can Recycling

Agenda



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US Ecology Joins Republic Services



REPUBLIC[®]
SERVICES

We are excited to share that US Ecology has joined Republic Services effective May 2, 2022.

With the completion of this acquisition, we are now able to provide customers with the most complete set of product offerings across the Environmental Services space. Our combined resources will help meet growing customer demand for a single-source provider with comprehensive Retail Service capabilities such as:

- Waste treatment
- Recycling and disposal
- Solid and Hazardous Waste
- Industrial cleaning
- Field services
- Remediation
- ER services

COMBINED FOOTPRINT
(not including Mexico, UK, Scotland, Turkey and Georgia)



Universal Waste Basics



- Universal Waste rules were created to increase recycling and keep common items out of landfills
- Exemptions Universal Wastes receive:
 - Not counted toward generator status
 - No manifest
 - One-year storage limits
 - Limited labeling requirements
- Types of Universal Waste at the Federal level:
 - Bulbs
 - Batteries
 - Mercury Devices
 - Pesticides
 - NEW: Aerosols
- States have added other materials to individual Universal Waste program

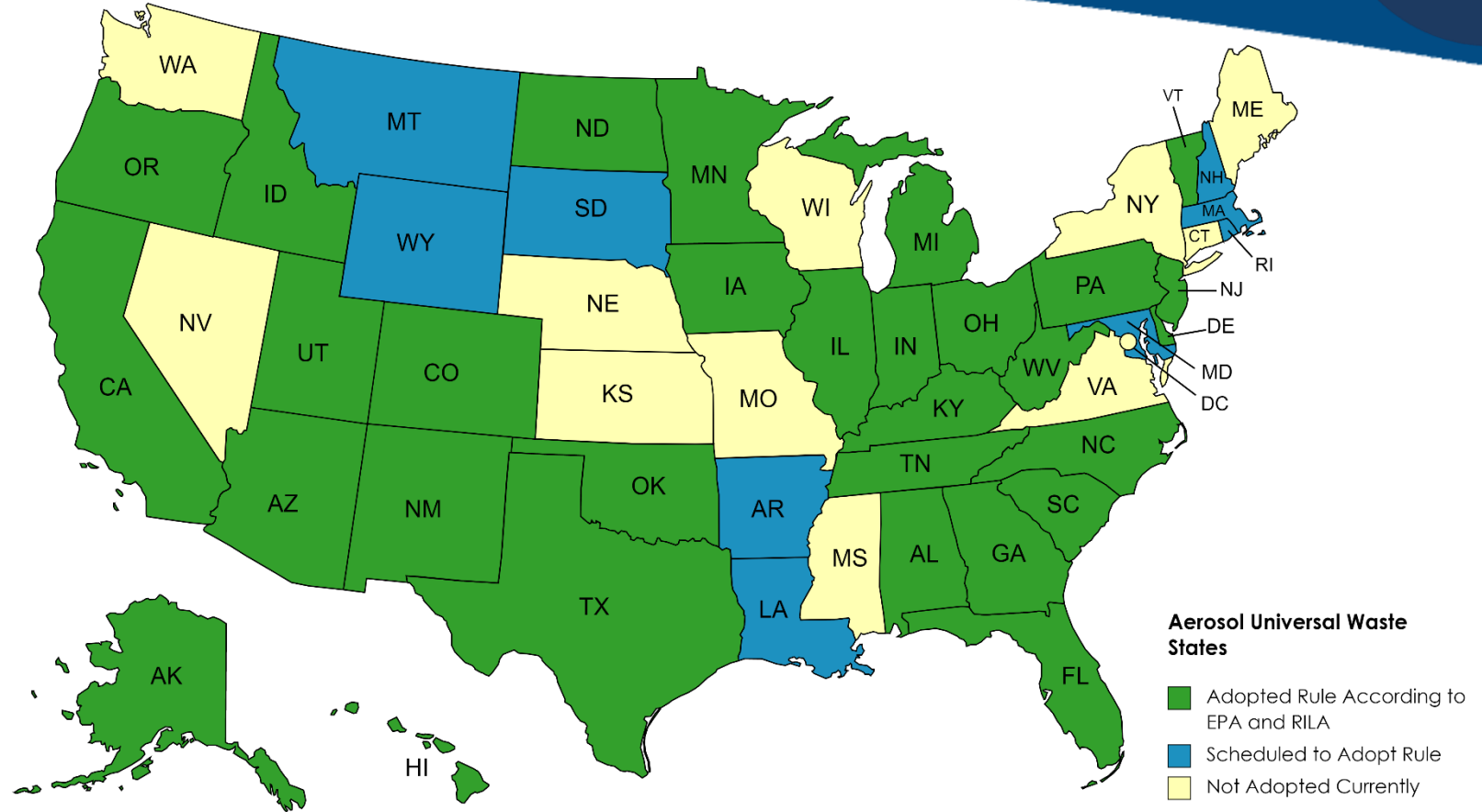


Universal Waste Aerosols



New EPA Rules

- On February 7, 2020, EPA finalized the regulation adding aerosol cans to the universal waste rule
- State environmental agencies will need to adopt the rule before it can be utilized in each state.



Map Sources: RILA & EPA listings as of 4/27/22

Transporting UW Aerosols



- Change in aerosol RCRA status does not change any of the DOT HM requirements
- There are other options on utilizing hazmat shipping papers:
 - Shippers can utilize a BOL that meets DOT HM shipping paper requirements
- There are two packaging methods:
 - If shipped with stems removed or capped, cans can be packaged in almost any type of durable packaging
 - If not, cans must be shipped in a **liquid rated closed top container**

TIP:

Save time and money by placing all aerosol cans *directly into transportation-approved container* (drum, bin, pail etc.)

No need to place aerosol cans into zip lock bags.

Aerosol Can Recycling Solutions



Technology	Recycle or Reuse Metal	Complete Product Capture	Converts Product for Reuse	Complete Gas Capture	Purifies Gas for Reuse
Shredding / Puncturing	X				
Can Crushing	X	X	X		
Incineration	X	X	X		
2005 EKO Unit*	X	X	X	X	
2014 Kanvironmental Unit	X	X	X		
Patent-Pending ART Unit	X	X	X	X	X

*Cannot process mixed batches

Patent-Pending ART System Process



Questions? and Contact Info

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