

# Waste Management Solutions

## 1 The Problem

Many organizations produce waste—either solid waste (garbage/trash) or hazardous waste that is toxic to people and the planet—and are responsible for its proper handling and disposal. Solid waste landfills are the third-largest source of human-related greenhouse gas (GHG) emissions in the U.S., accounting for approximately 14.5% of methane GHG emissions in 2020.<sup>1</sup> Total solid waste generated in 2018 was approximately 292.4 million tons with paper, paperboard and food being the largest components.<sup>2</sup> In 2019, the EPA reported that 34.9 million tons of hazardous waste were generated by 23,700 active large quantity generators.<sup>3</sup>

To lower GHG emissions, improve circularity, prevent hazardous material releases and stay in compliance, organizations need to reduce the amount of waste they generate. Do this by following the waste hierarchy: reduce, reuse, recycle, recover and treatment/disposal.

## 2 Solutions that Work



**Help lower GHG emissions, improve circularity, prevent hazardous material releases and remain in compliance:**

- Have a recycling program in place with established goals
- Use products made with recycled materials
- Create and measure hazardous waste goals
- Have on-site hazardous waste cleanup containment products, processes and training

## 3 How Grainger Can Help

AREAS OF FOCUS	THINGS TO CONSIDER	ACTIONS TO TAKE
<b>WASTE RECYCLING</b>	<p>Help reduce the amount of landfill waste by recycling solid waste.</p> <p>Solid waste landfills are the third-largest source of human-related GHG emissions in the U.S.<sup>1</sup></p> <p>Paper, paperboard and food were the largest contributors to landfill waste in 2018.<sup>2</sup></p> <p>Recycling helps save money, energy and natural resources.</p>	<ul style="list-style-type: none"> <li>• Having a recycling program in place and working towards meeting your established goals</li> <li>• Knowing when you last conducted an audit of your recycling program</li> <li>• Having the products needed to collect and contain your recycling, and determining if they are refillable and reusable</li> </ul>
<b>PRODUCTS MADE OF RECYCLED MATERIAL</b>	<p>Help decrease landfill waste by using products made of recycled material.</p> <p>Reusing keeps materials and products in circulation for as long as possible—this is known as a circular economy.</p> <p>A circular economy reduces material use, redesigns materials to be less resource intensive and recaptures waste.</p>	<ul style="list-style-type: none"> <li>• Shopping for and using products made with recycled materials</li> </ul>
<b>HAZARDOUS WASTE REDUCTION</b>	<p>34.9 million tons of hazardous waste were generated by 23,700 active large quantity generators in 2019.<sup>2</sup></p> <p>Hazardous waste is generated primarily by chemical production, manufacturing and other industrial activities.</p> <p>Generators of hazardous waste are regulated based on the amount of hazardous waste they generate in a calendar month.</p>	<ul style="list-style-type: none"> <li>• Knowing if you've ever been classified as a hazardous waste generator</li> <li>• Promoting the use of less hazardous and more environmentally friendly materials</li> </ul>
<b>HAZARDOUS MATERIAL MANAGEMENT</b>	<p>Contain and manage hazardous materials and prevent environmental releases.</p> <p>Hazardous material management plans describe proper use, handling and storage, as well as practices and procedures to follow when working with hazardous materials.</p>	<ul style="list-style-type: none"> <li>• Having an inventory of hazardous materials on site</li> <li>• Ensuring a hazardous material management plan is in place</li> <li>• Knowing of any recent releases of hazardous materials</li> <li>• Stocking the products needed to contain and cleanup hazardous material spills</li> </ul>

<sup>1</sup> EPA Basic Information About Landfill Gas <sup>2</sup> EPA Guide to the Facts and Figures Report About Materials, Waste and Recycling <sup>3</sup> An Overview of Hazardous Waste Generation



### SERVICES

- Site Waste Management Assessments
- System Installations & Upgrades
- Turnkey Solutions
- Program Development
- Employee Training



### RESOURCES

- Visit [grainger.com/gosustainable](https://www.grainger.com/gosustainable)
- Contact your local Grainger Rep

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# Sustainability: Waste Management Solutions

WASTE RECYCLING	
GRAINGER PRODUCTS	HOW THEY HELP
<a href="#">Waste, Recycling &amp; Trash Supplies</a>	Encourage recycling.
<a href="#">Lamp &amp; Light Bulb Disposal &amp; Recycling Kits</a>	Encourage safe disposal of lamps and light bulbs.
SERVICES	
Grainger has service providers who can assess your waste recycling practices and offer relevant solutions to help save money, energy and reduce GHG emissions.	<ul style="list-style-type: none"> <li>• Roof Restoration (prevent waste generation and disposal)</li> <li>• Pre-Paid Recycling and Disposal Kits</li> </ul>

PRODUCTS MADE OF RECYCLED MATERIAL	
GRAINGER PRODUCTS	HOW THEY HELP
<a href="#">Paper Products &amp; Dispensers</a>	Assist with establishing a circular economy by using products made of recycled material. A circular economy reduces material use, redesigns materials to be less resource intensive and recaptures wastes.
<a href="#">Packaging &amp; Shipping</a>	
<a href="#">Storage &amp; Workspace</a>	
<a href="#">Signs &amp; Facility Identification Products</a>	
<a href="#">Hand &amp; Personal Care</a>	
<a href="#">Access Ladders, Platforms &amp; Scaffolding</a>	
<a href="#">Carts &amp; Trucks</a>	
<a href="#">Ceiling Tiles</a>	
SERVICES	
Grainger has service providers who can assess your use of products made of recycled materials and offer relevant solutions.	

HAZARDOUS WASTE REDUCTION	
GRAINGER PRODUCTS	HOW THEY HELP
<a href="#">Cleaning Chemicals</a>	Promote the use of less hazardous materials and more environmentally friendly materials.
<a href="#">Adhesives &amp; Glue</a>	
<a href="#">Threadlockers</a>	
<a href="#">Paint, Equipment &amp; Supplies</a>	
<a href="#">Lubricants &amp; Penetrating Lubricants</a>	
<a href="#">Caulks, Sealants &amp; Fillers</a>	
<a href="#">Grease</a>	
SERVICES	
Grainger has service providers who offer relevant solutions.	<ul style="list-style-type: none"> <li>• Hazardous Waste Disposal &amp; Assessments</li> <li>• LEED Waste Audits</li> <li>• EPA Compliance Audits</li> <li>• Chemical Hazard Training</li> </ul>

HAZARDOUS MATERIAL MANAGEMENT	
GRAINGER PRODUCTS	HOW THEY HELP
<a href="#">Sorbents, Spill Control &amp; Spill Containment</a>	Prevent spills from impacting the environment (water).
<a href="#">Chemical, Gas &amp; Hazardous Material Signs &amp; Labels</a>	Comply with labeling requirements (labels made of recycled material).
<a href="#">Chemical Protective Clothing</a>	Offer protection during hazardous material cleanup (PPE products contain recycled content).
<a href="#">Safety Cabinets</a>	Prevent spills from impacting the environment through proper storage.
SERVICES	
Grainger has service providers who offer relevant solutions.	<ul style="list-style-type: none"> <li>• Hazardous Material Management Assessments</li> <li>• Chemical Hazard Assessments</li> <li>• EPA Compliance Audits</li> <li>• Spill Response Training</li> </ul>

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