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U.S. EPA Disaster Debris Recovery Tool





Outline

- What is the Disaster Debris Recovery Tool?
 - A national dataset for disaster planning & emergency response, and sustainable materials management
 - A collaboration of EPA Regions and National Program Offices
- Who are the data partners?
- Who are the tool users?



Purpose of the tool

- The tool enables planners and responders to safely manage disaster debris
- Advances multiple environmental objectives:
 - Diversion from landfills
 - More recycling opportunities
 - More resilience and faster recovery for impacted communities.







management units or closed units that are reopened have appropriate siting restrictions and controls in place.

After the amounts and types of debris are forecasted, planners should assess the area's capacity

to manage the anticipated debris. Waste management facilities, including reuse, recycling, combustion, and disposal facilities, should be inventoried, along with their daily and overall capacities for each debris stream they are permitted to receive. Each facility's ability to manage additional debris beyond their normal or permitted daily load should be evaluated. Planners should keep in mind that a waste management facility may be impacted by a disaster, as well, which could affect its ability to manage debris.



Planners are also encouraged to check the compliance histories of potential facilities with their state, local, or tribal officials or use EPA's Enforcement and Compliance History Online (ECHO) national database to search compliance and enforcement information for regulated facilities (https://echo.epa.gov/). Communities generally should avoid sending disaster debris to

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April 2019 EPA 530-F-19-003



To help planners determine debris management options, I-WASTE provides a searchable list of treatment and disposal facilities, which was largely compiled using data from EPA and publicly available sources, a downloadable KMZ file with the same geolocated facilities suitable for incorporation into GIS visualization and analysis, and useful resources on recycling various materials. The facilities contained within I-WASTE include:





🔰 Lay	rer List –	×
Operati	onal layers	ī.
. 🗹	Disaster Debris Recovery Tool	
•	Landfills - Construction & Demolition Debris	
•	Landfills - Municipal Solid Waste	
•	Landfills - Hazardous Waste	
• 🗆	Recycler - Construction & Demolition Debris	
•	Recycler - Electronics	
•	Recycler - Household Hazardous Waste	÷.
•	Recycler - Metals	
•	Recycler - Tires	
•	Recycler - Vehicles	
• 🔲	Composters	
•	Demolition Contractors	
•	Transfer Stations	



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Disaster Debris Recovery Tool

Disaster Debris Recovery Tool

EPA has developed this interactive mapping tool of 12 types of recyclers and landfills that manage disaster debris. This tool provides information and locations of over 20,000 facilities capable of managing different materials which may be found in disaster debris. The Region 5 in 2011 and has expanded to include data for all 50 states, Puer The data is available: Islands.

The tool can be used by disaster response, recovery and planning experts to advance the recovery, recycling, and disposal of disaster debris. It is expanding coverage of state to support sustainable disaster debris management.

Disaster Debris Recovery Tool - June 2020

Web map (tools & downloadable data) Interactive data layer in ArcGIS Online (account required)

Examples of state plans and guidance

- <u>Illinois Disaster Recovery Plan (PDF)</u> (4 pp, 13 K, <u>About PDF</u>) September 2011
- Indiana Disaster Mitigation and Recovery.
- Michigan Disaster Debris Management Plan (PDF) (209 pp, 3.4 MB, About PDF) April 2008
- and Michigan Local Disaster Debris Management Planning Handbook (PDF). (248pp, 2.9MB, About PDF) April 2008
- Minnesota Debris Plan Guidebook (PDF) (22 pp, 361 K, <u>About PDF</u>) December 2014
- <u>Ohio Debris Management</u>
- <u>Wisconsin Coping with Cleanup</u>





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ArcGIS Online

aka EPA GeoPlatform <u>https://epa.maps.arcgis.com</u>

Home - EPA National Disaster Debris Recovery Data







Search for C&D Recyclers by location



Draw and search in a buffer zone

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Create driving directions



Account for road blocks and barriers



Add data to the map

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US EPA Disaster Debris Recovery Tool Data Collection Plan through March 2020



Original DDRT 2018-2020 Expansion



Data Sources

State environmental agencies







National associations





Federal databases



and Tribal facilities

RCRAInfo





DDRT connects to E-Enterprise work





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DDRT will harness Shared Services

Some states have online geospatial data







EPA has ECHO Enforcement, Greenhouse Gas Reporting, Excess Food Opportunities online data





How is it being used?

EPA Region 5 IMT Exercise – Operations Dashboard & Viewer - May 2018



Mille Lacs Band of Ojibwe

EMERGENCY OPERATIONS PLAN

October 2018

Prepared by: Monte Fronk, Coordinator Mille Lacs Tribal Police Dept. Tribal Emergency Management (320)532-3430

Annex J	Debris Clearance	J-1
	Purpose	J-1
	Responsibilities	J-1
	Policies and Procedures	J-1
	Supporting Documents	J-3

G. Final Disposal Sites within 50 miles:

Household hazardous waste collector, C&D landfill, MSW landfill	East Central Solid Waste Commission	1756 180 th Ave Mora, MN 55051	320-444-6818
Tire recycler	John's Used Tire	11708 180 th St Milaca, MN 56353	320-362-0642
Vehicle recycler	Bud Jones & Sons Auto Salvage	31787 US Hwy 169 Onamia, MN 56359	320-532-3552
Electronics recycler	Mercury Technologies of Minnesota Inc.	1110 Holstein Dr. NE Pine City, MN 55063	320-629-7888
Composter	Morrison County Compost Sites	W River Rd Little Falls, MN 56345	320-631-2862
Demolition Contractor	Waste Management of Minnesota, Inc.	7968 Industrial Park Rd Baxter, MN 56425	630-572-2448

Data/Tool users:

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The tool is used for more than disaster debris management

- - Waste Management technical assistance
 - Green Remediation

U.S. EPA Disaster Debris Recovery Tool www.epa.gov/debris-recovery-map

