EPA Tools and Resources for Natural Disaster Debris

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2018 Tribal Lands & Environment Forum
August 13-16, 2018
Planning for Natural Disaster Debris Guidance

- Discusses the management of debris from natural disasters, including hurricanes, earthquakes, tornadoes, floods, and wildfires
- Includes information on the following:
  - Recommended components of a pre-incident disaster debris management plan
  - Suggested management options for various debris streams
  - A collection of case studies that highlights how several communities prepared for and managed natural disaster debris
  - Resources for planning and response
  - EPA’s recommended pre-incident planning process to help prepare communities for effective disaster debris management
Online Debris Management Planning Tool

- Assists communities with preparing and updating a debris management plan
- Walks through the development of the most critical elements of a plan
- Provides general guidance on plan development and format help
- Contains checklists to help ensure that the user has considered certain critical issues
- Can be downloaded and saved as a Microsoft Word document

https://wasteplan.epa.gov/
Disaster Debris Recovery Tool (DDRT) Mapping Tool

- Facility database with about 4,000 records in Region 5, 4,000 more for states bordering Region 5

- Public information
  - Gathered from state/local government, industry association sites
  - 3 types of landfills (MSW, C&D, HW)
  - 9 types of recovery/recycling facilities
  - Not reflective of EPA enforcement, compliance, or endorsement
Disaster Debris Recovery Tool

USEPA Disaster Debris Recovery Tool Data Collection Funding as of June 2018

2008 - present
2018
planned for 2018

Funded by R5
Funded by R10
Funding by R8
Funding by R7
Funding by HQ (proposed)
ArcGIS Online
aka EPA GeoPlatform
https://epa.maps.arcgis.com

Data Layers

- Disaster Debris Recovery Database
- Landfills - Construction & Demolition Debris
- Landfills - Municipal Solid Waste
- Landfills - Hazardous Waste
- Recyclers - Construction & Demolition Debris
- Recyclers - Electronics
- Recyclers - Household Hazardous Waste
- Recyclers - Metals
- Recyclers - Tires
- Recyclers - Vehicles
- Composters
- Demolition Contractors
- Transfer Stations

Topographic
Disaster Debris Recovery Tool

EPA Region 5 has developed a and interactive mapping tool of 12 types of recyclers and landfills that manage disaster debris. This tool provides information and locations of over 6,000 facilities throughout Region 5 and surrounding states capable of managing different materials which may be found in disaster debris.

Disaster Debris Recovery Tool - December 2017
- Web map (tools & downloadable data)
- Download entire dataset
- Interactive data layers in ArcGIS Online (account required):
  - Disaster Debris Recovery Tool - Landfills
  - Disaster Debris Recovery Tool - Recovery

Region 5 state plans and guidance

Region 5 states have established debris management plans or guidance, many of which focus on flood-related disasters:

- Illinois Disaster Recovery Plan (PDF) (4 pp, 13 K, About PDF) September 2011
- Indiana Disaster Mitigation and Recovery
- Michigan Disaster Debris Management Plan (PDF) (209 pp, 3.4 MB, About PDF) April 2008
- Minnesota Debris Plan Guidebook (PDF) (22 pp, 361 K, About PDF) December 2014
- Ohio Debris Management
- Wisconsin - Coping with Cleanup

Basic Information

Safe, proper and timely management of debris is an essential but often overlooked component of an emergency response or disaster incident. Debris management is also one of many competing priorities agencies must manage during such events. It is important that disaster debris be properly managed so as to protect human health, comply with regulations, conserve disposal capacity, reduce injuries, and minimize or prevent environmental impacts. It involves advance thought, planning and coordination among individuals at various

https://www.epa.gov/large-scale-residential-demolition/disaster-debris-recovery-tool
Tribal Disaster Debris Management Training
August 28-29, 2018

Hosted by:
U.S. Environmental Protection Agency
Region 5
and the Saginaw Chippewa Indian Tribe
Mount Pleasant, Michigan

U.S. EPA Region 5 is sponsoring a Tribal Disaster Debris Management Training in partnership with the Saginaw Chippewa Indian Tribe. This training is geared towards tribal staff involved in emergency management, waste management, public works, planning, and other areas. Debris management is an integral part of emergency management, especially in response to extreme weather or other disasters. Tribes that incorporate sustainable materials management into their disaster debris management plans will also be better prepared to handle disaster debris in a more efficient, environmentally beneficial manner. Tribal staff will have the opportunity to work in small groups with staff from other tribal and other governmental agencies to address issues vital to effective disaster debris management.

Training Objectives

- Understand the climate change, disaster debris, and emergency response interconnection.
- Learn the essential components of a disaster debris management plan.
- Engage in dialogue with various entities representing potential stakeholders critical to disaster debris response and recovery.
- Increase awareness of available tools and resources for effective, sustainable disaster debris management.

See draft training agenda.

Registration

Space is limited. To attend this training, please register by August 6, 2018 by emailing Dolly Tong at tong.dolly@epa.gov your:

Name, Title
Affiliation
Address
Phone, Email

For more information, contact Dolly Tong at 312-886-1019 or tong.dolly@epa.gov

Hotel Block

A block of rooms at the Soaring Eagle Hotel has been reserved for this training for three nights (August 27-29, 2018). Please call 877-232-4532 before August 6, 2018 to reserve a room under “Disaster Debris Workshop group” or book online at https://www.soaringeaglecasino.com using the group code SCIT082718.

Soaring Eagle Hotel
6800 Soaring Eagle Blvd
Mount Pleasant, Michigan 48858
EPA Funding Options

• Brownfields 128a
• LGR
• GAP

Can apply and use more than one funding option at a time!!
EPA Funding Options-Brownfields 128a

- State and Tribal Response Program Grants available under CERCLA section 128(a) through EPA's Brownfields program (https://www.epa.gov/brownfields/types-brownfields-grant-funding).

- Can be use for creating a disaster debris management plan, must include planning for hazardous substances in order to meet funding requirements.

- Can be used to increase response capacity and maintain capacity.

- If awarded, workplan is required every year.

- Can reimburse for temporary, *un-anticipated* emergency measures in response to hazardous substance threats
- Has up to a $25,000 limit per response
- Must not supplant funds normally provided for such activities
EPA Funding Options - Local Government Reimbursement Program (LGR)

Materials and Expenses Covered:

- Expendable materials and supplies
- Rental or leasing of equipment
- Special technical services and laboratory costs
- Evacuation services
- Compensation of overtime wages
- Decontamination of equipment
EPA Funding Options - Local Government Reimbursement Program (LGR)

Activities Covered

- Controlling the release source
- Containing released substances
- Controlling runoff that could contaminate drinking water sources
- Temporary site security measures
EPA Funding Options Local Government Reimbursement Program (LGR)

Other Important Notes for Qualification:

• LGR Program was designed as a program of “last resort”

• Local governments MUST pursue cost recovery from all sources, including:
  • Responsible Parties
  • State Funding
  • Local Government Insurance
EPA Funding Options- Local Government Reimbursement Program (LGR)

To obtain an application:

- Visit the EPA’s LGR Website: [http://epa.gov/emergencies/lgr](http://epa.gov/emergencies/lgr)

- Contact the LGR HelpLine or email us: (800) 431-9209; lgr.epa@epa.gov
EPA Funding Options- GAP

• Can be used for debris management planning, disposal, transport, development and implementation of solid and hazardous waste programs, if requirements for funding are met

• Money available each year is allocated based on set formula, so funds may vary
Additional EPA Tools and Resources

• EPA’s Managing Materials and Wastes for Homeland Security Incidents Website
  (https://www.epa.gov/homeland-security-waste)
  • Provides debris management information, including options, considerations, and resources, that can be used by communities to plan and respond to natural disasters

• I-WASTE Decision Support Tool (DST)
  http://www2.ergweb.com/bdrtool/login.asp
  • Provides a searchable list of treatment and disposal facilities
  • Provides a Waste Materials Estimator that can generate order of magnitude estimates for the types and quantities of materials that may require decontamination and/or disposal
Contact Information

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