

# Demolition Debris Management of Debris Resulting from Natural Disasters or Planned Demolition Activities

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Each year, severe storms destroy homes, barns and other buildings across Wisconsin. In a crisis, emergency management of debris places yet another burden on property owners and emergency managers. Typically, a great deal of demolition debris needs to be managed in a short period of time.

The Wisconsin Department of Natural Resources is concerned with public health, safety, and environmental impacts when demolition debris is mismanaged. The Solid Waste Program offers assistance to communities in managing storm-generated debris, and to individuals interested in razing a single structure.

Typical types of waste generated from both natural disasters and planned demolition activities, along with proper disposal methods, are listed below.

## **CLEAN<sup>1</sup> SOIL, BRICK, BUILDING STONE, CONCRETE, BROKEN ASPHALT PAVEMENT, WOOD WASTE FROM DOWNED TREES, AND UNPAINTED OR UNTREATED WOOD**

These items may be disposed of *without Department approval* as long as the site selected does not impact surface waters, wetlands, floodplains, and critical habitat areas. Contact waste staff for assistance on locating an appropriate disposal site. The term “clean” refers to material that is unpainted, untreated, and not contaminated with petroleum or other contaminants.

Communities should consider composting or chipping smaller wood waste for use in landscapes damaged by the storm event or offering clean wood waste for use as firewood. Clean brick, building stone, concrete and asphalt may be stockpiled for crushing and reusing in future building projects.

## **ROOFING METALS, SIDING, AND OTHER METALS INCLUDING APPLIANCES**

This material may be easily recycled and therefore should be stockpiled and hauled to a scrap metal recycler. Some appliances may contain hazardous substances such as Freon. Freon must be removed by qualified and licensed personnel and items containing Freon or other hazardous substances should be stockpiled separately from other metals. You may want to consider incorporating a list of metal and appliance recyclers into each County Emergency Plan.

## **ASBESTOS CONTAINING MATERIALS - SIDING, FLOORING, ROOFING AND INSULATION**

Asbestos containing items normally require special handling by **licensed** personnel and proper disposal. You should always

contact your local Air Management Specialist for details on proper identification and handling of materials containing asbestos. Please see the statewide contact list on the reverse side for this assistance.

## **HAZARDOUS WASTE IN THE FORM OF PAINTS, SOLVENTS, FUELS AND PESTICIDES**

Many municipalities have collection programs capable of handling household hazardous wastes. If your community does not have a household hazardous waste program, arrangements can be made with an outside contractor to establish a household hazardous waste disposal drop-off and collection service. You should always contact your local DNR Waste Staff for details and assistance in obtaining approval by using the list of contacts on the reverse side. Staff can also assist communities with questions regarding proper management and disposal of contaminated soil.

## **GLASS, ASPHALT AND FIBERGLASS ROOFING, CARPETING AND PAD, INSULATION, PVC PIPING, SIDING, DRYWALL, PLASTER AND PERSONAL ITEMS SUCH AS CLOTHING AND FURNITURE**

Items that cannot be recycled or reused *require disposal in a local licensed landfill, or an approved one-time disposal or construction and demolition landfill site.*<sup>2</sup>

## **OPEN BURNING**

Open burning of trees<sup>3</sup>, wood, brush, and other clean wood waste is an option, but *requires prior DNR approval or concurrence*; however, this may not be the best option. Open burning results in the release of contaminants to the air, water and land, and may have an adverse impact on human health and the environment. Also, a fire spreading out of control is always a serious concern and stretches needed emergency personnel even thinner. A wild fire resulting from open burning activities could cost you money, if the local fire department is called out to suppress the fire. Chipping, composting, and using clean wood waste for firewood should be the options considered first!

There is no substitute for careful planning before an emergency occurs. Emergency planning should include a current list of DNR contacts that can assist communities in an emergency. These plans may also identify the location and transportation routes to licensed disposal facilities and household hazardous waste collection facilities. Similarly, communities should identify areas where clean wood wastes, metals and clean concrete, block, brick, etc. may be segregated for proper management once the emergency has subsided. Communities may consider pursuing the development of an approved small demolition landfill.

## **DNR Air and Waste Management Program Contacts**

### **NORTHEAST REGION (NE) includes the following counties:**

Brown, Calumet, Door, Fond du Lac, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago

**Waste Management Contact: Jim Zellmer (920) 662-5431**

**Air Management Contacts: Rick Wulk (920) 662-5181 or Imelda Hofmeister (920) 424-7884**

**or ask for the Waste or Air Management contact at (920) 662-5100**

### **NORTHERN REGION (NO) includes the following counties:**

Ashland, Barron, Bayfield, Burnett, Douglas, Florence, Forest, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn

**Waste Management Contacts: Jill Schoen (715) 839-2788 or Jim Zellmer (920) 662-5431**

**Air Management Contact: Neal Baudhuin (715) 365-8958**

**or ask for the Waste or Air Management Contact at (715) 635-2101 or (715) 365-8900**

### **SOUTH CENTRAL REGION (SC) includes the following counties:**

Crawford, Columbia, Dane, Dodge, Green, Grant, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk

**Waste Management Contact: Dennis Mack (608) 275-3466**

**Air Management Contact: Tom Roushar (608) 273-5603**

**or ask for the Waste or Air Management Contact at (608) 275-3266**

### **SOUTHEAST REGION (SE) includes the following counties:**

Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha

**Waste Management Contact: Frank Schultz (414) 263-8694**

**Air Management Contact: Dan Schramm (414) 263-8620 or (262) 884-2330**

**or ask for the Waste or Air Management Contact at (414) 263-8500**

### **WEST CENTRAL REGION (WC) includes the following counties:**

Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood

**Waste Management Contact: Jill Schoen (715) 839-2788**

**Air Management Contact: Jeff Johnson (715) 838-8387**

**or ask for the Waste or Air Management Contact at (715) 839-3700**

**If you need assistance from Department of Natural Resources staff during non-business hours please call the emergency hotline at 1-800-943-0003 press 1 when prompted and ask the DNR Duty Officer to contact a local DNR representative to assist you.**

### **References:**

<sup>1</sup>NR 500.08(2)(a) Wisconsin Administrative Code

<sup>2</sup>NR 503.08 Wisconsin Administrative Code

<sup>3</sup>NR 429.04(1)(i), NR 30 and NR 502.11, Wisconsin Administrative Code

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