



**SOLID WASTE
MANAGEMENT
CONSULTANTS**

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Disaster Debris Management Planning

Overview

Local, state, and federal government agencies have the responsibility to preserve life and property during emergencies. Recognizing that disasters often produce substantial volumes of debris -- *creating hazardous conditions that endanger the public and disrupt the essential daily lifestyle and economy of the community* -- and that planning for such disasters can lessen the impact on the community, economy, and the environment, public-sector entities develop Disaster Debris Management Plans to facilitate a rapid response and recovery to debris-generating incidents.

KEY EXPERT:

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GBB has the background and expertise to provide disaster debris planning and recovery assistance, including the collection, transportation, processing and disposal requirements, and private sector services auditing.

Over the years, GBB has provided “fast-response” solid waste management consulting services to hundreds of public-sector clients around the United States. The management of disaster debris and demolition waste, resulting from man-made and natural disasters, can be complex, costly, and logistically challenging. GBB staff are professional waste management consultants who are keenly aware of the procedures, logistics, systems, and services necessary to effectively plan, implement, track, monitor, and report the management of Disaster Debris and control the overall costs in our clients’ best interests.



- Implementation of a **disaster materials management plan**
- Identification of collection areas & zones
- Identification of collection method & equipment
- Assistance with **procurement/contracting** for collection/processing/disposal service
- **Review of local Debris separation & recycling**
- Monitoring the Disaster Debris collection system during route pickup
- **Monitoring** the Disaster Debris handling system and delivery at staging area(s)
- Data accumulation and analysis for **Federal Emergency Management Agency (FEMA) payment**
- Data review and quality control
- Assistance with **contractor disputes and resolution**
- Invoicing assistance (including data input, auditing, and reconciliation)
- Management assistance with closeout of contracts



Past Performance

Development of Disaster Debris Management Plan

City of Fort Worth, Texas

In view of past damaging man-made and natural disasters, and to prepare for future potentially catastrophic events, the City of Fort Worth tasked a team led by GBB with developing a Disaster Debris Management Plan (DDMP.) The multi-hazard DDMP enhances the City's disaster response readiness and equips it with appropriate emergency management processes and tools. It likewise helps the City expeditiously recover and reconstitute critical services with minimum damage to public safety and health, and the economy, while remaining eligible for the maximum amount of federal reimbursement following a presidentially declared disaster.



The plan developed by the GBB Project Team identified the roles and responsibilities of the various City departments and agencies; an action plan to undertake in the event of various sizes of disasters; and specific information on site assessments, collection, processing, disposal and communications. The DDMP:

- Forecasted estimated quantities and composition of debris generated from various disaster events.
- Identified roles & responsibilities of the City staff, state and federal officials and private contractors for the collection, treatment/processing and disposal of debris generated from either a disaster.
- Identified collection strategies for debris generated, taking into consideration the type and magnitude of the disaster as well as collection contract provisions already in place.
- Identified both temporary and permanent debris management / storage sites.
- Identified reduction and recycling methods that may be appropriate for collected debris.
- Identified/recommended contracted service options for debris collection, treatment/processing & disposal.
- Identified and recommended monitoring program options.
- Identified options for private property owner debris management.
- Identified health and safety protocols for managing wastes generated from man-made or natural disasters
- Identified and recommended options for public information strategies.
- Provided information on the FEMA's current public assistance program.



**ANNE ARUNDEL
COUNTY**
MARYLAND

Development of Debris Management Plan

Anne Arundel County, MD

Anne Arundel County tasked a team led by GBB to develop a Debris Management Plan to facilitate a rapid response and recovery to debris-generating incidents. The overall intent of the plan, developed as part of a standard process based on the FEMA Comprehensive Planning Guide (CPG 101 Version 2), was to:

- Establish coordinated debris management operations, including debris removal, reduction, recycling, haul-out, final disposal, and documentation.
- Provide a debris management organization for the County.
- Provide authorities and responsibilities of the County debris management organization.

Thought Leadership

Recognized as thought leaders, GBB officers and consultants frequently present at national industry conferences and regularly contribute articles to leading industry publications. A recent presentation includes:

- [Disaster Preparedness in the Age of the Superstorm: Creating a Disaster Debris Management Plan](#), (October 2017) Scozzafava, Lori, presented at Municipal Waste Mgmt. Association Summit, Louisville, KY