Hurricane Sandy - Debris Management Lessons Learned

June 25, 2014
Frank Gagliardo & Joseph Schiavone
Interagency Debris Management Task Force (IDMTF)
NEWMOA Webinar

Connecticut Department of Energy and Environmental Protection
Recent Storm Experience

- Super Storm Sandy (321,128 cubic yards)
- Tropical Strom Irene (500,000 cubic yards)
- Winter Storm Alfred (1,833,442 cubic yards)

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ORGANIZATIONAL STRUCTURE TO CONDUCT DEBRIS MANAGEMENT

State of Connecticut
Disaster Debris Management Plan, revised June 2013
(Annex to the State Natural Disaster Plan, 2009)

Prepared by: State of Connecticut
Department of Energy and Environmental Protection
Daniel C. Esty, Commissioner

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Disaster Debris Management Plan

Purpose of the Plan:

➢ Aligns with:
   ➢ State’s Solid Waste Management Hierarchy
   ➢ FEMA 325 Debris Management Guide

Statutory Hierarchy

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State of Connecticut

Concept of Operations Plan – Disaster Debris Management

Activation and Use of the State Debris Removal and Monitoring Contracts

June 2013

Primary Agencies for Interagency Debris Management Task Force (IDMTF):

- Administrative Services, Department of (DAS)/FM
- Emergency Services and Public Protection, Department of / Division of Emergency Management and Homeland Security (DESPP/DEMHS)
- Energy and Environmental Protection, Department of (DEEP)
- Transportation, Department of (ConnDOT)

Supporting State Agencies:

- Administrative Services, Department of / Bureau of Properties & Facilities Management (DAS/BP&FM)
- Connecticut National Guard (CTNG)
- Consumer Protection, Department of (CPP)
- Emergency Services and Public Protection, Department of / CTP (DESPP/CTP)
- Energy and Environmental Protection, Department of / Public Utility Regulatory Authority (DEEP/PURA)
- Governor’s Office
- Labor, Department of / Occupational Safety and Health Administration (ConnOSHA)
- Motor Vehicles, Department of (DMV)
- Office of Planning and Management (OPM)
- Public Health, Department of (OPH)

State Contractors:

- AshBrite, Inc. (AshBrite) (Primary contractor for debris management services/removal)
- Science Applications International Corporation (SAIC) (SAIC is the sole contractor for the monitoring of debris management/removal operations)

Public Utilities
- Northeast Utilities / Connecticut Light and Power (NUL/CL&P)
- United Illuminating Company (UI)

Other Supporting Organizations:
- Conference of Connecticut Municipalities (CCCM)
- Connecticut Economic Resource Center, Inc. (CERC)
- Council of Small Towns (COST)
- Other Public Utilities (e.g., telecommunications, water and waste water)
- University of Connecticut Technology Transfer Center (UKONN TBC)

Supporting Federal Agencies:
- U.S. Department of Agriculture / National Resources Conservation Center (NRCC)
- U.S. Coast Guard (USCG)
- U.S. Department of Labor / Occupational Safety and Health Administration (OSHA)
- U.S. Environmental Protection Agency (EPA)
- U.S. Army Corps of Engineers (USACE)

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**Pre-Landfall Phase**

**Phase 1: Initial Response and Debris Clearance**

**Phase 2: Debris Removal and Recovery**

<table>
<thead>
<tr>
<th>Item</th>
<th>Pre/Post Event Days</th>
<th>Activity</th>
<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>1. Initial notification to DESPP/DEMHS Point of Contact by Andritt re/potential storm event. 2. Initial notification to DEEP Point of Contact by SAC re/potential storm event.</td>
<td>DESPP/DEMHS, DEEP, Andritt, SAC</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>1. Review the DMA file and assess potential needs to identify key sites for use. 2. Prepare and preliminary approve preliminary site plans illustrating layout, including simulation models based on project the evaluation worksheets prepared by Andritt, 2009. 3. Communicate with OPW, DECO and DOT Construction Services on potential need for additional sites.</td>
<td>DEEP, in coordination with Andritt, OPW, DECO, DOT, DESPP/DEMHS</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>Review Emergency Authorization template for DMA.</td>
<td>DEEP</td>
</tr>
<tr>
<td>4</td>
<td>-3</td>
<td>Conduct initial conference call between DMA, DESPP/DEMHS, DEEP, ConvDOT, Andritt and SAC re/storm approaches. Discuss plan overview, identify and confirm contact information for the Interagency Debris Management Task Force (IDMTF), establish reporting and coordinating schedule.</td>
<td>DESPP/DEMHS, DEEP, ConvDOT, Andritt, SAC</td>
</tr>
<tr>
<td>5</td>
<td>-2</td>
<td>Governor under the implementation of the State of Connecticut Natural Disaster Plan and the State’s Disaster Debris Management Plan.</td>
<td>Governor</td>
</tr>
<tr>
<td>6</td>
<td>-2</td>
<td>Governor activates the State Emergency Operations Center (EOC).</td>
<td>Governor</td>
</tr>
<tr>
<td>7</td>
<td>-2</td>
<td>Governor declares a civil preparedness emergency under CSS Section 28.</td>
<td>Governor, DESPP/DEMHS</td>
</tr>
<tr>
<td>8</td>
<td>-2</td>
<td>1. Governor signs DEEP/MEMSA to activate the IDMTF. 2. Governor signs Authorization of IDMTF Members letter. 3. Agency members of the IDMTF assemble at the EOC and DEEP headquarters.</td>
<td>Governor, DESPP/DEMHS, IDMTF</td>
</tr>
<tr>
<td>9</td>
<td>-2</td>
<td>DEEP establishes plan operations center for debris recovery at a location to be determined.</td>
<td>IDMTF</td>
</tr>
<tr>
<td>10</td>
<td>-2</td>
<td>DESPP/DEMHS requests FEMA to open EOC for a Civil Preparedness Emergency.</td>
<td>DESPP/DEMHS, FEMA</td>
</tr>
<tr>
<td>11</td>
<td>-2</td>
<td>Public information disseminated to media and town.</td>
<td>PID – Governor’s Emergency Communications Team in consultation with: IDMTF, Debris Contractors, DESPP/DEMHS Regional Coordinators, CCM, OEM and UConn TIE</td>
</tr>
<tr>
<td>12</td>
<td>-2</td>
<td>DMA will periodically disseminate debris management information to the municipalities through the DESPP/DEMHS Regional Coordinators, CCM, OEM and UConn TIE.</td>
<td>IDMTF</td>
</tr>
<tr>
<td>13</td>
<td>-2</td>
<td>Governor requests a Pre-Landfall Emergency Declaration by the President through the FEMA Region 1 Administrator.</td>
<td>Governor, DESPP/DEMHS</td>
</tr>
</tbody>
</table>

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**State Pre-Positioned Contracts: Disaster Debris Management and Monitoring & Documentation**

**General Comments**

- Two contracts: 1) debris removal and 2) monitoring.
- Awarding of new contracts this year.
- Activation of Contracts – through a Declaration of Civil Preparedness Emergency.
- State agencies – may use contracts as they are.
- Municipalities – may use contracts at their own cost; need to enter a mutual agreement with the state contractors.

**Strengthening Interagency Planning, Communication, and Coordination - IDMTF**
Interagency Debris Management Task Force

Role:

Coordinates the collection and management of storm-generated debris for state agencies and municipalities requesting assistance via Emergency Operations Center.

Primary Agencies that Make-Up the IDMTF

Administrative Services, Department of

Emergency Services and Public Protection/Division of Emergency Management and Homeland Security, Department of

Energy and Environmental Protection, Department of

Transportation, Department of

Diagram:

1. Town
2. DEMHS Region
3. Emergency Operations Center
4. State Agencies
5. Public Utilities
6. Department of Transportation
7. Department of Transportation Districts
8. Connecticut National Guard
9. Interagency Debris Management Task Force
10. Task Order – [DESPP]
12. 1. IDMTF Deploys Contractor
13. 2. Contractor Submits Service Request
14. 3. IDMTF Authorizes Request

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Emergency Authorization

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Disaster Debris Info on DEEP Web Site
Disaster Debris Info on DEEP Web Site

- Municipal Emergency Authorization - Hurricane Irene
- Emergency Authorization for Wood Chip Management - Storm Alfred
- Municipal Emergency Authorization - Storm Alfred (October Snowstorm)
- Municipal Emergency Authorization - Hurricane Irene

Debris Management Sites
- Site Selection Guide for Temporary Debris Storage and Reduction Sites (TDSSR)
- Fact Sheet - Appointment of Local Open Burning Official and Guidance on Brush Management Options
- Devoted Trees
- Final Destination Sites for Wood Chips Generated During Storm Alfred

Use of State Contractors for Debris Collection and Monitoring
- Information Pertaining to Debris Management Contracts
- Municipal Guidance on Use of State Disaster Debris Removal and Monitoring Contracts
- CT Municipal Mutual Agreement - AFB (Debris removal)
- CT Municipal Mutual Agreement - SAC/BCR (monitoring)
- FEMA Guidance on Debris Management Contracting
- FEMA Debris Management Brochure

Information for Municipalties and Residents
- Tree Debris Pickup Planned Along State-Maintained Roads
- Solid Waste Management - Household Garbage, Storm Debris
- Picking up the Pieces - Putting Your Debris at the Curb for Pickup
- Important Health Information - Hurricane Irene (CT DH)
- Public Information Concerning Disaster Debris Pickup

State of Connecticut - Towns by DEMHS Regions
Lessons Learned

General Comments:
• Debris Management Structure
• Multi-Agency Debris Management Task Force
• Coordinating with public utilities for road clearance activities (Make-Safe)
• Management Contractor to Coordinate with DOT Oversize/Overweight Permit Program.
• Migration to an ADMS
• Flexibility with Debris Management Sites
• Coastal Debris Management
• Interaction with the Contractors/ Table Top Exercises.

Questions?

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http://www.ct.gov/deep/

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