



MINUTES OF MEETING
Debris Management Planning Meeting
February 7, 2008



<http://www.deldot.gov/information/projects/tmt>

Meeting Date: February 7, 2008
Location: DEMA Training Room Smyrna, DE
Purpose: Debris Management Planning Committee Meeting

List of Meeting Attendees:

Last Name	First Name	Agency	Email
Carpenter	Dave	NCC OEM	dcarpenter@nccde.org
Day	Dwayne	DeIDOT - TMC	dwayne.day@state.de.us
Durst	Edward	DEMA	Edward.Durst@state.de.us
Duckett	Kisha	Orth-Rodgers & Assoc., Inc. (ORA)	kduckett@orth-rodgers.com
Fain	Richard	DeIDOT	Richard.fain@state.de.us
Fantini	Maria	DeIDOT/Central Dist	Maria.fantini@state.de.us
Knox	Don	DEMA	don.knox@state.de.us
Lankford	Tom	DeIDOT	Tom.lankford@state.de.us
Larrivee	Joan	DE SHPO	Joan.larrivee@state.de.us
Littleton	Bruce	Orth-Rodgers & Assoc., Inc. (ORA)	blittleton@orth-rodgers.com
Mick	Dave	KC OEM	David.mick@co.kent.de.us
Pauletta	Eileen	Orth-Rodgers & Assoc., Inc. (ORA)	epauletta@orth-rodgers.com
Reed	Jeff	DeIDOT	jeff.reed@state.de.us
Roddy	Robin	DSWA	rnr@dswa.com
Thatcher	Bill	DeIDOT	Bill.thatcher@state.de.us
Valenti	Michael	Delaware Forest Service	Michael.valenti@state.de.us

Handouts provided during the meeting:

1. Agenda
2. Meeting Minutes – October 3, 2007
3. Revised Debris Data Matrix
4. Revised DE County Estimated Debris Quantities

I. Introduction and Background

Bruce Littleton (ORA) began the meeting with introductions followed by a review of the agenda. No comments were provided for the Minutes of the October 3rd meeting. Comments to the minutes can be sent to Orth-Rodgers following this meeting.



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II. Review of Individual Meetings

Kisha Duckett (ORA) reviewed the individual agency meetings held since the large group meeting. Results of the individual agency meetings were as follows:

Dept. of Natural Resources and Environmental Control (10/25/07 – Matthew Higgins)

- DNREC debris definitions are available in the DNREC Publication – Regulations Governing Solid Waste located on www.dnrec.state.de.us/DNREC2000; These definitions are also used by DSWA.
- DSWA provided copies of the Solid Waste Operating Permits. Each facility has its own disposal requirements as provided for in their DNREC issued permit.
- A beginning matrix was populated based on the discussion.
- Debris quantities need to be related in terms of cubic yards and tons. If possible, DSWA prefers tons.

Findings (not already shown on revised matrix)

- Delaware has no RCRA subtitle C landfills.
- Hazardous components should be removed from white goods and e-waste.
- In Delaware, heating oil tanks will be a major concern.
- There is a major natural gas pipeline that runs across DELMARVA (right through Delaware City)
- Open burning of vegetative/green waste is regulated by DNREC's Air Quality Management Regulation 1113. In order for DEMA to utilize Open Burning as a mechanism to reduce the volume of vegetative waste produced during a natural disaster, DEMA and/or each County would need to have pre-existing contracts established with vendors that will collect and manage the waste material until it can be burned. In order for the open burning to occur during the Ozone Season (May 1st–September 30th) DNREC anticipates that the Governor and/or the DNREC Secretary would issue an emergency order to temporarily suspend the Open Burning Ozone Season Ban. Air curtains are an effective method for open burning large volumes of vegetative/green waste. DNREC's preferred method to reduce and manage the volume of vegetative waste is chipping/shredding the debris for use as compost and/or mulch. It should be noted that Delaware banned the statewide use of burn barrels in 1967.

Matrix Mtg.(12/03/07–Avery Dalton; Valerie Gray; Robin Roddy; Ed Durst; Kisha Duckett; Bruce Littleton)

- A small group meeting with DEMA, DSWA, and DNREC was held to review and populate an updated debris management responsibilities matrix.
- ***Effective January 2008, vegetative debris (yard waste) can no longer be landfilled in New Castle County facilities.***
- Monitoring, verification, and security must be provided at debris management sites.
- **ACTION ITEM:** Find out how much the state already owns in terms of equipment and manpower.



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Internal DelDOT Site Selection Meeting (12/03/07)

- An internal site selection meeting was held with Gene and individuals from DelDOT to identify potential debris management site locations and review the DelDOT **INFORM** (Information Network For Online Resource Mapping) software.
- It was mentioned that Wayne Risso should be contacted (from Real Estate). Real Estate would be able to help with operational procedures.
- There are several Borrow Pits in Delaware that either the department owns or that could become available in the event. The following locations were discussed during the meeting:
 - Milford Pit - Route 1
 - Reed Pit
 - Quillen Pit
 - Stockley Pit
 - Newton Pit (just given to DNREC)
 - Straley Pit (West of Milford)
 - Pockets of property along Route 13
 - 273/Old Baltimore Pike

Individuals from Real Estate also forwarded some information on borrow pits and reserved land in the three counties.

III. Revised Debris Data Matrix

The question was raised as to what agencies or companies are in place to help setup and/or operate debris management sites. There are companies that are available. Should a state not elect to manage the debris removal process, FEMA will use the Army Corps of Engineers who have several nationwide contracts for debris management. The costs of the debris management team would be back charged to the state. Ed mentioned that this arrangement is typically much more expensive than the cost for the state to have its own contracts.

It was mentioned that you may be able to find out from property or tax records which properties may have asbestos. The debris management plan will need to handle private property management.

Robin Roddy (DSWA) mentioned that the DNREC has enacted a ban on the land filling of yard waste. This would apply to limbs or stumps with diameters of four inches or less. DSWA can accept yard waste, but must dispose of it as opposed to putting it in the landfill.

IV. Revised Estimated Debris Quantities

Bruce reviewed the DEMA's revised estimated debris quantities for an ultimate storm.

Robin mentioned that there is a breakpoint for handling debris that is not necessarily one ton over the limit. If the landfills needed to take in 20-30% more debris than what they are handling today, they would need to have extended hours, extra staff, and extra equipment.



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Dwayne Day (DelDOT) asked if Delaware had existing Memorandums of Understanding (MOU's) with neighboring states regarding debris. Delaware as a state does not presently have any MOU's in place, although some private haulers and collectors may have agreements.

In discussing a breakpoint for debris handling, we should consider two points:

1. Normal Debris vs. Hazardous Waste
2. Amount of Debris (vegetative debris may require a waiver)

A suggestion was made to try to convert the quantities of debris into structures (as an example) in order to help get a handle on the quantities of debris. For example, a commercial building is 'x' cubic yards of debris and a residential building is 'y' cubic yards of debris.

V. Open Discussion

Bruce mentioned that ownership of the debris management site will need to be included in the plan.

Action Items:

- ORA to provide guidelines regarding qualifications for a debris management site.
- ORA to provide a first cut of roles and responsibilities for respective agencies. Agencies to provide additional feedback prior to the next meeting.
- Robin Roddy (DSWA) to provide a list of current contractors.
- ORA to schedule the next debris committee meeting for 6-8 weeks.

We believe the foregoing minutes to be an accurate summary of the meeting and related decisions. Failing written notification to the contrary, after ten (10) Days of receipt, these minutes will be recorded as a statement of facts.

Minutes prepared by:
Orth-Rodgers & Associates, Inc.

cc: All Meeting Attendees