

May 2006

Listing of State Natural Disaster Response

This list of State natural disaster response material was first compiled in 1993, in the aftermath of the floods in the Midwest that year. It has been most recently updated in May 2006, to incorporate material that the ASTSWMO office obtained in the aftermath of Hurricanes Katrina and Rita in 2005. The listing is divided into the following sections: General; Earthquakes; Fires; Floods; Hurricanes; and Tornadoes.

GENERAL

Material provided by States is listed first, followed by information we are aware of that has been developed by the U.S. Environmental Protection Agency.

ALABAMA

“Emergency Disposal of Debris Resulting from Natural Disasters”, Alabama Department of Environmental Management, September 2004.

“Requests for Emergency Disposal Sites”, Alabama Department of Environmental Management, (undated).

“Guidelines for Open Burning of Natural Disaster Debris”, Alabama Department of Environmental Management, July 8, 2005.

Memorandum with the subject, “Burning of Debris at Landfills”, Alabama Department of Environmental Management, September 22, 2004.

- **Contact:**

Solid Waste Branch

AL Dept. of Environmental Management

P.O. Box 301463

Montgomery, AL 36130-1463

Phone: 334-271-7988 Fax: 334-279-3050

CALIFORNIA

"Hazardous Materials Assistance In Large-Scale Disasters", by California Department of Toxic Substances, Emergency Response and Special Projects Site Mitigation Team, August 24, 1993 (Large packet of information forwarded in 1993.)

CALIFORNIA (cont.)

- **Contact:**

Site Mitigation Branch
CA Dept. of Toxic Substances Control
P.O. Box 806
Sacramento, CA 95812-0806
Phone: 916/323-3577 Fax: 916/323-3700

INDIANA

"Fact Sheet: Emergency Debris Management", Indiana Department of Environmental Management, March 2004.

"Emergency Debris Management Site Certification Form - Indiana Severe Storm FEMA-DR-IN, Indiana Department of Environmental Management, (undated).

- **Contact:**

Bruce Palin
Assistant Commissioner
Office of Land Quality
IN Department of Environmental Management
P.O. Box 6015, Room 1154
Indianapolis, IN 46206-6015
Phone: 317/234-0338 Fax: 317/232-3403
E-Mail: bpalin@idem.in.gov

NEW YORK

"Storm Debris & Disposal Guidelines", New York State Department of Environmental Conservation, Division of Solid & Hazardous Waste Materials, (undated). The guidelines document and contact information are located on the web site:

<http://www.dec.state.ny.us/website/dshw/sldwaste/guidance.htm>

OKLAHOMA

"Waste Management Service Emergency Disposal Sites", Oklahoma State Department of Health, Solid Waste Management Service [now the Oklahoma Department of Environmental Quality], (undated); two-page form, to be used when siting an emergency disposal site.

OKLAHOMA (cont.)

- **Contact:**

Fenton Rood, Director of Waste Systems Planning
Waste Management Division
OK Dept. of Environmental Quality
707 North Robinson, P.O. Box 1677
Oklahoma City, OK 73102
Phone: 405/702-5159 Fax: 405/702-5101
E-Mail: fenton.rood@deq.state.ok.us

WISCONSIN

"Demolition Debris Guidance on the Management of Debris Resulting from Natural Disasters or Planned Demolition Activities", Wisconsin Department of Natural Resources, as revised November 2005, available at the web site:
<http://dnr.wi.gov/org/aw/wm/publications/solid/wa601rev.pdf>.

• **ADDITIONAL, GENERAL MATERIAL PROVIDED** – *while the following State materials were not developed specifically to address natural disasters, they were offered by State programs as potentially applicable to the issue of debris sampling, in response to a request for information in the aftermath of Hurricane Katrina.*

MICHIGAN

"DEQ Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria", Michigan Department of Environmental Quality, Remediation and Redevelopment Division, 2002. Information relative to waste characterization sampling starts at page 245 of this 286-page document, in Tab 8. Specifics on sampling waste piles can be found starting on page 245 of the file (if the page is printed, the page number will be 8.3). The guidance is available at this web site:
<http://www.deq.state.mi.us/documents/deq-erd-stats-s3tm.pdf>

NEW JERSEY

"Guidance Document for Waste Classification", New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, (undated); the document, containing general information on sampling plans and related information, is located on the web site: <http://www.state.nj.us/dep/dshw/resource/hwm009.htm>

WISCONSIN

"Pre-Demolition Checklist", Wisconsin Department of Natural Resources, (undated). Note from the State provider of the checklist: This wasn't developed for disaster response, but includes a comprehensive list of environmental concerns related to building demolitions, including building components and contents. The checklist is available at the web site:

<http://dnr.wi.gov/org/aw/wm/publications/demolition/predemo.pdf>

EPA MATERIAL

A "Disaster Debris" web page is located on the U.S. Environmental Protection Agency's Municipal Solid Waste web site. The direct link to the Disaster Debris web page is: <http://www.epa.gov/epaoswer/non-hw/muncpl/debris.htm>. A copy of the December 1995 EPA document, "Planning for Disaster Debris", is also located on the web page.

(For EPA information regarding EPA's response to the 2005 hurricanes, see under the HURRICANES category.)

EARTHQUAKES

"Earthquake Rubble Handling Policy", by the California Department of Toxic Substances Control, Hazardous Waste Management Program, January 1994.

- **Contact:**

Site Mitigation Branch

CA Dept. of Toxic Substances Control

P.O. Box 806

Sacramento, CA 95812-0806

Phone: 916/323-3577 Fax: 916/323-3700

FIRES

"Action or Reaction – It's all in the planning", Power Point presentation made at the April 2006 ASTSWMO Mid-Year Meeting by Greg Morris, Fire Management Officer, U.S. Forest Service, Helena, Montana.

FLOODS

GEORGIA

Series of Flood Help for Georgia Citizens "Help Sheets" providing information and guidance to assist citizens through the cleanup phase of the 1994 flood. The sheets provide information on the following topics:

- Contact Phone Numbers
- What To Do with Flood Debris
- Household Chemicals and Hazardous Waste
- Restoring Drinking Water If You Are On A Community Water System
- Water Pollution
- Septic Tank Failures
- Underground Storage Tanks
- Assistance for Facilities with EPD (Environmental Protection Division) Permits
- Information for Public Water System Operators

- **Contact:**

Land Protection Branch
Environmental Protection Division
GA Dept. of Natural Resources
4244 International Parkway
Atlanta, GA 30354
Phone: 404/362-2537 Fax: 404/362-2654

ILLINOIS

"Flood Debris Management Summary", Illinois Environmental Protection Agency, July 19, 1993.

"When the Cleanup Begins", Fact Sheet, Illinois Environmental Protection Agency, Office of Public Information, August 1993.

"Information Statement: Open Burning of Flood Debris", Illinois Environmental Protection Agency, July 19, 1993.

"The Great Flood of '93", article in July-September 1993 Illinois Environmental Protection Agency newsletter, Environmental Progress.

"After the Flood", pamphlet by the Illinois Department of Public Health, (undated).

Video by the Illinois Environmental Protection Agency.

ILLINOIS (cont.)

• **Contact:**

Mike Nechvatal, Manager
Division of Land Pollution Control
Bureau of Land
IL Environmental Protection Agency
1021 North Grand Avenue East
Springfield, IL 62794-9276
Phone: 217/785-9407 Fax: 217/524-1991
E-Mail: mike.nechvatal@epa.state.il.us

IOWA

No written material to list pertaining to the floods of 1993, but the Contact is:

• **Contact:**

Solid Waste Section
Land Quality Bureau
IA Dept. of Natural Resources
900 East Grand Ave.
Henry A. Wallace Bldg, 5th Floor
Des Moines, IA 50319
Phone: 515/281-4968 Fax: 515/281-8895

KANSAS

"Kansas Flood Impacts and Response Activities", Kansas Department of Health and Environment, Bureau of Waste Management, October 14, 1993 (includes Bureau's July 29, 1993 Memorandum to County Public Works Directors, Landfill Operators, Emergency Preparedness re: Flood response and clean up issues).
(Summary prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

• **Contact:**

William L. Bider, Director
Bureau of Waste Management
Division of Environment
KS Dept. of Health and Environment
1000 SW Jackson, Suite 320
Topeka, KS 66612-1367
Phone: 785/296-1612 Fax: 785/296-1592
E-Mail: wbider@kdhe.state.ks.us

MINNESOTA

"State Flood Impacts and Response Activities - Minnesota", by Lanny Peissig, MN Pollution Control Agency, October 14, 1993.
(Summary prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

Package of 1993 material regarding flood impacts and activities forwarded by David Nilsen, MN Pollution Control Agency, including comments to USEPA concerning the use of emergency supplemental appropriations for the flood; June 22, 1993 News Release "MPCA Warns Public About Flood-Related Pollution Problems"; MPCA "Contacts for storm- and flood-related environmental concerns" (dated June 30, 1993); July 1, 1993 MPCA Environment 1993 Legislative Update: "MPCA response to storm and flood-related environmental concerns".

- **Contact:**

Lanny Peissig
Environmental Outcomes Division
MN Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155
Phone: 651/297-1781 Fax: 651/297-7709
E-Mail: lanny.peissig@pca.state.mn.us

MISSOURI

"State Flood Impact and Response Activities, State of Missouri Hazardous Waste Program", October 1993.
(Summary prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

"Summary of Flood Impact on Solid Waste Management in Missouri/Solid Waste Management Program Actions", Missouri Department of Natural Resources, Solid Waste Management Program, October 15, 1993.
(Handout of overhead slides prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

"Hazardous Waste Program Flood Assessment Report", Missouri Department of Natural Resources, Hazardous Waste Program, July 28, 1993.

"Facility Flood Assessment Checklist", Missouri Department of Natural Resources, Hazardous Waste Program, (undated).

MISSOURI (cont.)

"Missouri Department of Natural Resources Emergency Permit for Management of Hazardous Waste", (undated).

"Legal Notice" (of Emergency Permits for Management of Hazardous Waste), Missouri Department of Natural Resources, October 15, 1993.

"Major Appliance Collection Centers of Missouri", Missouri Department of Natural Resources, Solid Waste Management Program, August 1993.

"Flood Help For Local Governments and Missouri Citizens: National Flood Insurance Program: What is it? Who administers it?", Missouri Department of Natural Resources, 1993.

"Information for Local Governments: What To Do After the Flood: Regulatory and Permitting Requirements", Missouri Department of Natural Resources, 1993.

"Flood Help For Missouri Citizens" - package of 1993 "Help Sheets" by the Missouri Department of Natural Resources providing information on the following topics:

- What to do with Flood Debris
- Restoring Drinking Water
- Water Pollution
- Household Chemicals and Hazardous Waste
- Septic Tank Failure
- Flood Recovery for Historic Buildings
- Additional Contact Phone Numbers

• Contact:

Jim Hull

Director, Solid Waste Management Program

Division of Environmental Quality

MO Dept. of Natural Resources

1738 E. Elm Street, P.O. Box 176

Jefferson City, MO 65102

Phone: 573/526-3900 Fax: 573/526-3902

E-Mail: jim.hull@dnr.mo.gov

NEBRASKA

"Summary of State of Nebraska State Flood Impacts and Response Activities", by David Haldeman, NE Department of Environmental Quality, October 13, 1993.
(Summary prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

- **Contact:**

David Haldeman
Division Administrator
Waste Management Division
NE Dept. of Environmental Quality
1200 N Street, Suite 400
Lincoln, NE 68509-8922
Phone: 402/471-0001 Fax: 402/471-2909
E-Mail: david.haldeman@ndeq.state.ne.us

NORTH DAKOTA

"State Flood Impacts and Response Activities - North Dakota", by Neil Knatterud, North Dakota State Department of Health, Division of Waste Management, October 13, 1993.
(Summary prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

- **Contact:**

Division of Waste Management
ND Department of Health
1200 Missouri Ave., Room 302
P.O. Box 5520
Bismarck, ND 58502-5520
Phone: 701/328-5166 Fax: 701/328-5200

SOUTH DAKOTA

"State Flood Impacts and Response Activities - South Dakota", by David Templeton, South Dakota Department of Environment and Natural Resources, Office of Waste Management, October 15, 1993 (includes Hazardous Waste Workplan for Flood Assistance Grant Money and State of South Dakota Work Plan, 1993-1994 Grant Application For Emergency Supplemental Appropriations for Flood Assistance Section 106 Ambient Monitoring).

SOUTH DAKOTA (cont.)

- **Contact:**

Waste Management Program
Division of Environmental Services
SD Dept. of Environment & Natural Resources
523 East Capitol, Foss Bldg.
Pierre, SD 57501-3181
Phone: 605/773-3153 Fax: 605/773-6035

WISCONSIN

"State Flood Impacts and Response Activities - Wisconsin", by Lakshmi Sridharan and Dave Misterek, WI Department of Natural Resources, Bureau of Solid and Hazardous Waste Management, October 15, 1993. (Summary prepared for the Disaster Response Information-Sharing Session at the ASTSWMO Annual Meeting, October 19-20, 1993.)

- **Contact:**

Dave Misterek
WI Dept. of Natural Resources - Oshkosh Area Office
905 Bayshore Drive, P.O. Box 2565
Oshkosh, WI 54903-2565
Phone: 414/424-2104 Fax: 414/424-4404

HURRICANES

Material provided by States is listed first, followed by information we are aware of that has been developed by the U.S. Environmental Protection Agency and other organizations.

ALABAMA

"Hurricane Emergency Contacts" listing, Alabama Department of Environmental Management, (undated).

(For additional Alabama material related to natural disasters, see under the GENERAL category.)

- **Contact:**

Solid Waste Branch
AL Dept. of Environmental Management
P.O. Box 301463
Montgomery, AL 36130-1463
Phone: 334-271-7988 Fax: 334-279-3050

FLORIDA

"Emergency Final Order - Emergency Authorization For Repairs, Replacement, Restoration, and Certain Other Measures Made Necessary By Hurricane Andrew" --
Florida Department of Environmental Regulation (now the Department of Environmental Protection), August 26, 1992.

"Emergency Final Order - Emergency Authorization For Repairs, Replacement, Restoration, and Certain Other Measures Made Necessary By Hurricane Charley" --
Florida Department of Environmental Protection, August 14, 2004.

"Solid Waste Management in the Wake of Hurricane Andrew", presentation by Mary Jean Yon, Florida Department of Environmental Protection, at the ASTSWMO National Solid Waste Forum, July 1993.

- **Contact:**

Richard Tedder
Administrator, Solid Waste Management Section
Division of Waste Management
FL Dept. of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400
Phone: 850/245-8735 Fax: 850/245-8811
E-Mail: richard.tedder@dep.state.fl.us

LOUISIANA

The Louisiana Department of Environmental Quality's web site, www.deq.la.gov, has information regarding Hurricanes Katrina and Rita.

MISSISSIPPI

Links to several documents are located on the Mississippi Department of Environmental Quality web page titled, "Hurricane Katrina Disaster Recovery", on the DEQ home page, www.deq.state.ms.us/MDEQ.nsf (as of May 2006). To get to this web page, look under the listing of Key Topics on the home page for the link "Katrina-MDEQ Policies".

Among the material listed on the Hurricane Katrina Disaster Recovery web page are:

"MDEQ Emergency Order NO. 5062 05".

MISSISSIPPI (cont.)

Katrina Disaster Debris Management Response:

“Ash Policy”, November 14, 2005.

“Building and Structural Debris Disposal Revision #1”, April 14, 2006.

“Building and Structural Debris Disposal”, September 4, 2005.

“Vegetative Debris Disposal Revision #1”, April 14, 2006.

“Vegetative Debris Disposal”, September 3, 2005.

Environmental Permitting Information:

“Guidance for Handling Asbestos During Demolition”, January 3, 2006.

“Procedures for Best Management Practices for the Ordered Demolition of Residential Structures in Imminent Danger of Collapse”, January 3, 2006.

“POLICY NO. 101 Recycling Metals Policy”, September 27, 2005.

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“Mississippi Response to Hurricane Katrina”, a Power Point presentation made at the April 2006 ASTSWMO Mid-Year Meeting by Jerry Banks, Chief, Groundwater Assessment and Remediation Division, Mississippi Department of Environmental Quality.

• Contact:

Jerry Banks
Chief, Groundwater Assessment and Remediation Division
Office of Pollution Control
MS Department of Environmental Quality
2380 Highway 80 West, P.O. Box 10385
Jackson, MS 39289
Phone: 601/961-5221 Fax: 601/961-5300
E-Mail: Jerry_Banks@deq.state.ms.us

TEXAS

"Recovery: Debris Removal (Hurricane Debris Removal)" by H. Thomas Collins, P.E., Municipal Solid Waste Division, Texas Water Commission (now the Texas Commission on Environmental Quality), February 24, 1993; one page guidance to local government emergency coordinators.

- **Contact:**

The contact who provided this information retired; if interested in contacting Texas, please contact Kerry Callahan in the ASTSWMO office (202-624-7884 or swmkerry@sso.org) for assistance in identifying an appropriate contact.

EPA AND OTHER ORGANIZATIONS

U.S. Environmental Protection Agency:

- Response to 2005 Hurricanes web site: <http://www.epa.gov/katrina/index.html>
- "EPA Provided Quality and Timely Information on Hurricane Katrina Hazardous Material Releases and Debris Management", Evaluation Report (Report No. 2006-P-00023) by the EPA Office of Inspector General, May 2, 2006.
- "Environmental Health Needs & Habitability Assessment, Joint Taskforce, Centers for Disease Control and Prevention & U.S. Environmental Protection Agency, Hurricane Katrina Response, Initial Assessment, September 17, 2005" (among the waste program areas covered in this document are sediments, solid waste, and underground storage tanks).

SWANA (Solid Waste Association of North America)

"Hurricane Katrina Disaster Debris Management: Lessons Learned from State and Local Governments - Briefing Report". The initial September 21, 2005 Briefing Report was revised in December 2005. As noted on the SWANA web site: "This report has been revised to provide additional guidance regarding the handling of potentially hazardous materials with more emphasis on the opportunities to recover and recycle disaster debris." The document includes references to resource materials and information about how to access the materials. The revised Briefing Report is located on the SWANA web site: www.swana.org

TORNADOES

OKLAHOMA

The following forms have been used by the Oklahoma Department of Environmental Quality for disposal or staging areas during tornado events:

“Emergency Disposal Site Evaluation and Registry”, Oklahoma Department of Environmental Quality, (undated); form includes Guidelines for Emergency Burning, Burial And/Or Stockpiling of Solid Waste, and a State Historic Preservation Office and Oklahoma Archeological Survey Certification.

“Legal Access Agreement”, Oklahoma Department of Environmental Quality, (undated).

“Options for the Reuse / Disposal of Damaged Utility Poles Associated with Disaster Clean Up Efforts”, Oklahoma Department of Environmental Quality, (undated).

“Staging Areas for Damaged Electrical Transformers Associated with Disaster Cleanup Efforts”, Oklahoma Department of Environmental Quality, (undated).

“Oklahoma Storms: Guidelines for Debris Management”, Oklahoma Department of Environmental Quality, (undated).

• **Contact:**

Robert Huber / David Freede / Gary Collins
Environmental Complaints & Local Services
Oklahoma Department of Environmental Quality
707 N. Robinson
P.O. Box 1677
Oklahoma City, OK 73101-1677
Phone: 405-702-6100 Fax: 405-702-6225