



Waste Permits: UNDERSTANDING THE BASICS



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Waste Permits Division

- The Waste Permits Division authorizes permits administered under the Solid Waste and Hazardous Waste Regulations
 - Is responsible for all activities pertaining to the permitting of existing and proposed solid and hazardous waste processing and disposal facilities.
- Facilities include, but are not limited to:
 - Sanitary landfills
 - Industrial landfills
 - C&D Landfills
 - Hazardous waste landfills
 - Surface impoundments
 - Landfarms
 - Incinerators
 - Processing Transfer stations
 - Resource recovery facilities
 - Refuse-derived fuel facilities





Waste Terms & Definitions

- **Solid Waste**
 - Any garbage, refuse, or sludge from a waste treatment plant, water-supply treatment plant, or air pollution-control facility, and other discarded material including solid, liquid, semi-solid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities.
- **Hazardous Waste**
 - Waste identified as hazardous in the current Louisiana hazardous waste regulations (LAC 33:V.Subpart 1) and/or by the federal government under the Resource Conservation & Recovery Act and (RCRA) subsequent amendments.



Waste Terms & Definitions

- **Generator:** Any person whose act or process produces solid waste as defined in the regulations.
- **Transporter:** Any person who moves industrial solid waste off-site and/or who moves solid waste from a commercial establishment or more than one household to a storage, processing, or disposal facility.
- **Type I Facility:** A facility used for disposing of industrial solid waste. (e.g., landfills, surface impoundments, or landfarms) If the facility is also used for disposing of residential or commercial solid waste, it is also a Type II facility.
- **Type I-A Facility:** A facility used for processing industrial solid waste (e.g. transfer station, incinerator waste-handling facility, shredder, baler, or compactor). If the facility is also used for processing residential or commercial solid waste, it is also a Type II-A facility.



Waste Terms & Definitions

Type II Facility: A facility used for disposing residential or commercial solid waste (e.g., landfills, surface impoundments, landfarms) If the facility is also used for processing industrial solid waste, it is also a Type I facility.

Type II-A Facility: A facility used for processing residential or commercial solid waste (e.g. transfer station, incinerator waste-handling facility, refuse-derived fuel facility, shredder, baler, or compactor). If the facility is also used for processing industrial solid waste, it is also a Type I-A facility.



Waste Terms & Definitions

- **Type III Facility:** A facility used for: disposing of construction/demolition debris or woodwaste, composting organic waste to produce a usable material, or separating recyclable wastes (a separation facility). Residential, commercial, or industrial solid waste must not be disposed of in a type III facility. (e.g., Construction/demolition-debris and woodwaste landfills, separation facilities, composting facilities, or other.)



Types of Landfills

- **Industrial Landfill**
 - Type I Landfill
 - A facility used for disposing of industrial solid waste
- **Sanitary Landfill**
 - Type II Landfill
 - A facility used for disposing of residential and/or commercial solid waste
- **Construction/Demolition (C&D) and/or Woodwaste Landfill**
 - Type III Landfill
 - A facility used for disposing of construction/demolition debris or woodwaste



Facilities Needing a Solid Waste Permit

- LAC 33:VII.509.A.1—Any person who **processes** and/or **disposes** solid waste, with the exception of those listed in the regulations.
 - Generators and transporters that are not processors or disposers of solid waste are not required to secure a permit.
 - Collection facilities and non-processing transfer stations at which no solid waste is processed or disposed of are not required to secure a permit.



Types of Solid Waste Permits

- Standard Permits
 - Issued for solid waste processing and/or disposal facilities that have successfully completed the standard permit application process.
 - Types: Type I, Type I-A, Type II, Type II-A, and Type III
 - Duration: not to exceed ten years



Pre-Permit Meetings

Applicants will meet with LDEQ to discuss their upcoming project.

- 1) Timeline
- 2) Applicable Regulations
- 3) What kind of permits needed
- 4) The facility may require more than one application for a permit based on its process such as an Air Permit, Water Permit, and/or a Waste Permit.



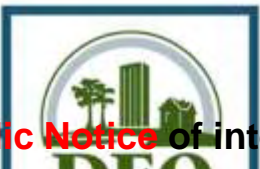
Solid Waste Permits

- Solid Waste Permits Section
 - Perform technical review of applications
 - Route documents for review
- Solid Waste Engineers
 - Perform engineering and geotechnical review of solid waste permit applications
- Geology support
 - Review subsurface geology and design of GW monitoring network.



Considerations for Landfills

- Environmental Impacts
Wetlands, Surface Water, Groundwater, Air,
Endangered Species
- Social Issues
Odors, noise, traffic, airports, aesthetics,
industrial and populations growth,
historical/archaeological sites
- Economic Issues
Disposal costs, land development alternatives,
permitting costs, construction/operations costs



Basic Process

Public Notice of intent



Application Received



Public Notice of Submittal



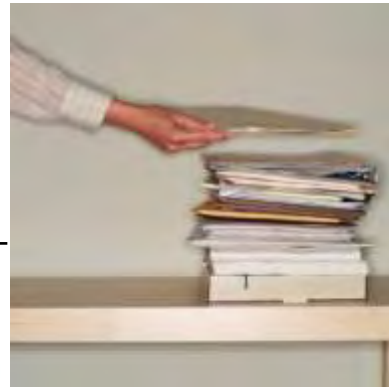
Administratively Complete



Public Notice of Admin Complete



Final Permit



Draft Permit, Including **Public Notice**



Technical Review

Public Notice of Final Decision





Emergency Debris Sites



LOUISIANA DEPARTMENT OF **ENVIRONMENTAL QUALITY**
FOR ALL YOUR ENVIRONMENTS



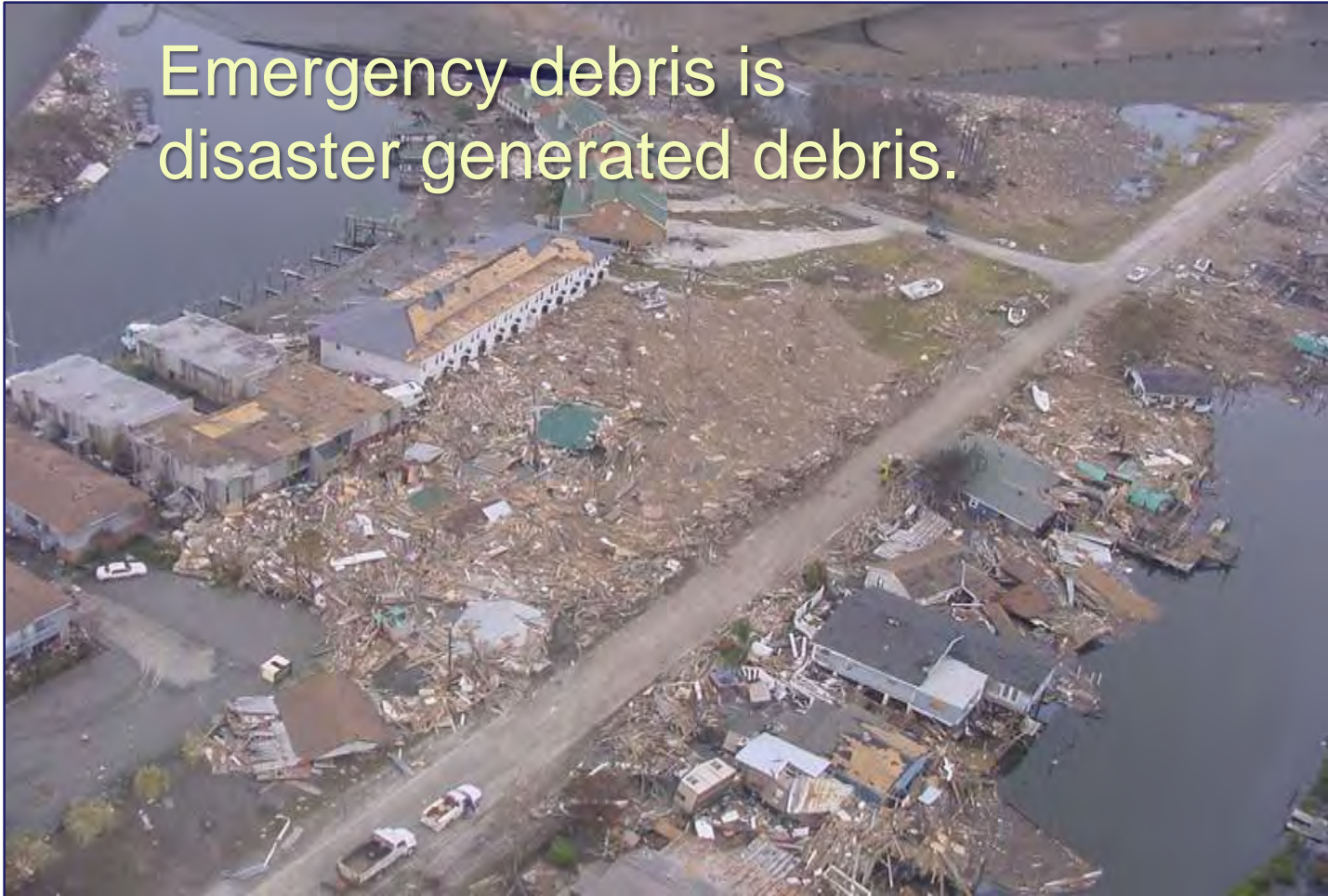
Louisiana Landfills

- Louisiana Permitted Landfills:
 - 49 accept Type I Waste Material
 - 30 accept Type II Waste Material
 - 50 accept Type III Waste Material
- <http://www.deq.louisiana.gov/portal/DIVISIONS/WastePermits/SolidWastePermits/SolidWasteLandfillReport.aspx>



What is Emergency Debris?

Emergency debris is disaster generated debris.





Types of Debris

- C & D debris
- Household hazardous waste
- Electronic wastes
- Metals
- Orphan drums
- Tires
- Vegetative debris
- Vessels/vehicles
- White goods
- Woodwaste





Emergency Debris Activities

Activity	Debris Type	
Staging/ Segregation	<ul style="list-style-type: none"> •vegetative debris •woodwaste •C & D debris •electronic waste •white goods 	<ul style="list-style-type: none"> •household hazardous waste •vessels/vehicles •orphan drums •tires •metals
Chipping & Grinding	<ul style="list-style-type: none"> •vegetative debris •woodwaste 	
Composting	<ul style="list-style-type: none"> •vegetative debris 	
Burning	<ul style="list-style-type: none"> •vegetative debris (open) •vegetative debris (ACD) 	
Preparation	<ul style="list-style-type: none"> •white goods 	

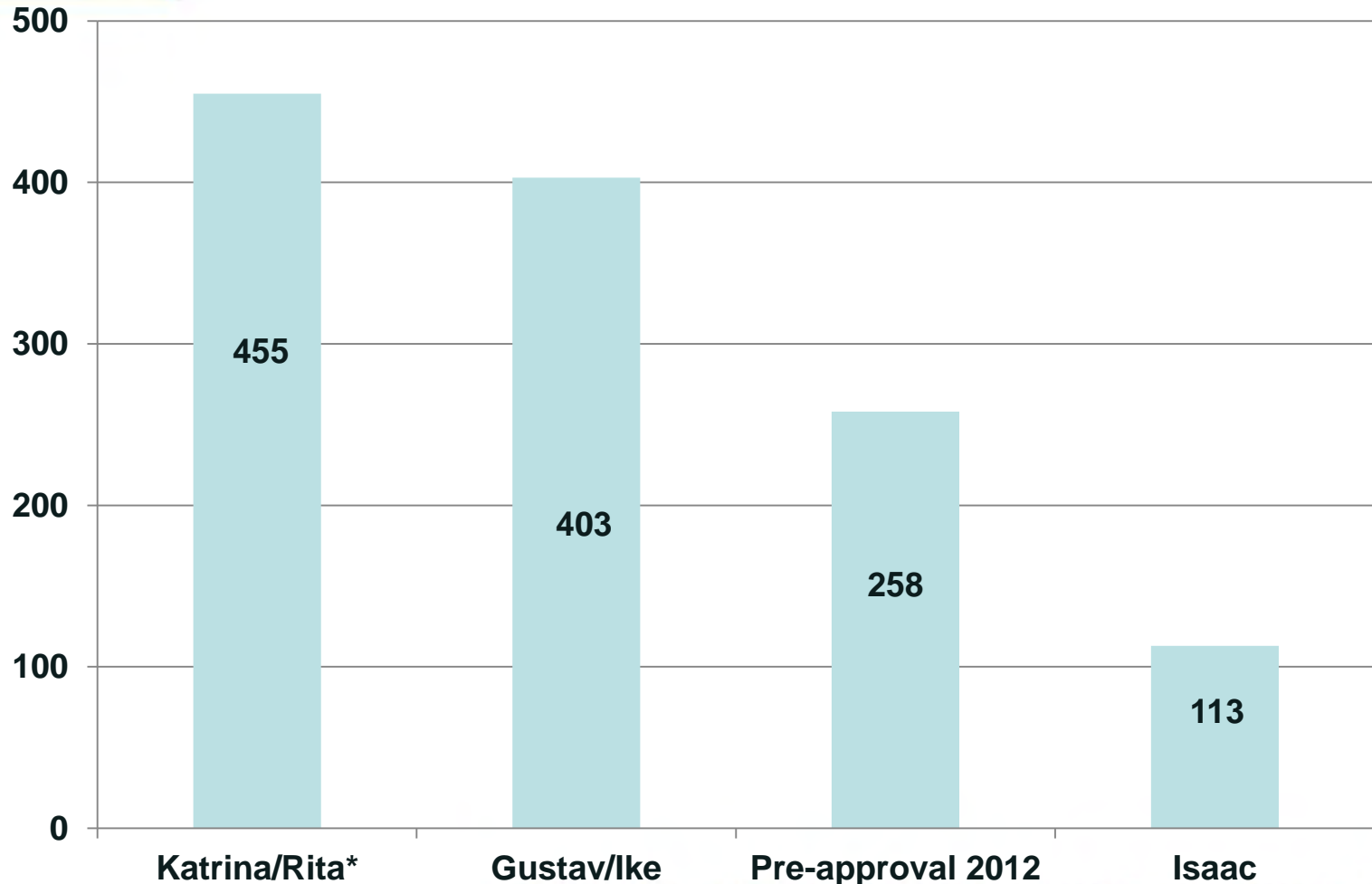


Goals of Debris Management

- Minimize landfill waste
- Maximize diversion via recycling, reuse, and composting
- Legislative mandate (R.S. 30:2413.1) requires that “the total green and woody debris intended for final disposal in a landfill, shall be reduced 50% by weight and 50% by volume prior to transport to a landfill” (for disposal).
- Sites pre-approved



Total Emergency Debris Sites Approved

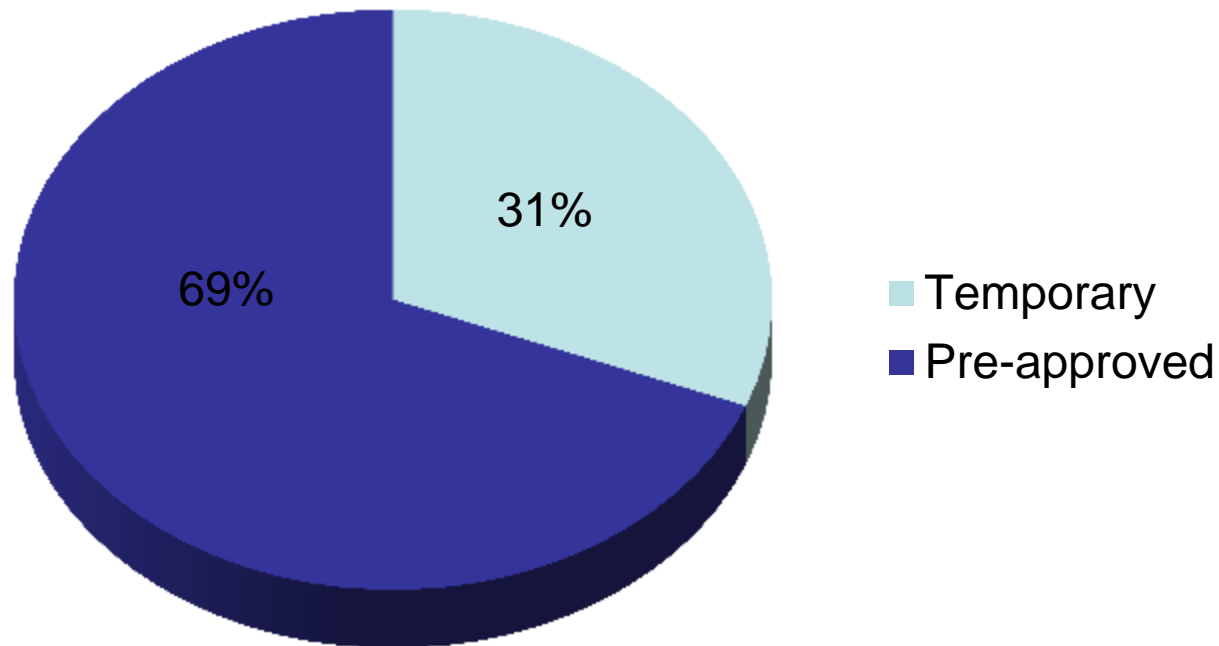


*Katrina/Rita numbers are approximate.



Emergency Debris Sites for Hurricane Isaac

Total Debris Sites for Hurricane Isaac



Emergency Debris on the Web

http://www.deq.louisiana.gov/portal/

EQ EDMS LEO Louisiana.gov Phone Log US EPA Check Permit Status

DEQ
LOUISIANA

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CNG/LNG WORKSHOP

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DEQ to monitor

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- Hazardous Waste Permits
- Hazardous Waste Engineering
- Exploration and Production [E&P] Waste
- Groundwater Construction Advisory Doc
- Disaster Debris Management

DEQ Communicati

Starting tomorrow

Department of Environmental Quality will patrol the area near tank farm in Port Allen as the facility begins operations at one

- Scrubber
- Entire System

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Disaster Debris Management

Comprehensive Plan for Disaster Clean-up and Debris Management, September 29, 2010

- Appendix A1 Emergency Debris Management Site Request Form with Instructions
***The SHPO email contact information has changed see last page of the form.
- Appendix A2a Revised Weekly Debris Management Report
- Appendix A2b Instructions for Completing Weekly Debris Management Report
- Appendix A3 Sample DEQ Letter and Attachments
- Appendix B Training Recommendations
- Appendix C LDEQ Regional Offices
- Appendix D Disaster Debris Materials Flow Chart
- Appendix E Emergency Handling of Vehicles and Vessels

[http://www.deq.louisiana.gov/portal/
DIVISIONS/WastePermits/Disaster
DebrisManagement.aspx](http://www.deq.louisiana.gov/portal/DIVISIONS/WastePermits/DisasterDebrisManagement.aspx)



Future of Pre-approval Emergency Debris Sites

- A regulatory permit is in the works to cover the sites to be used in an emergency.
- As long as the site meets the requirements in the regulatory permit, the site will be considered a permitted pre-approved emergency debris site.



QUESTIONS?

Contact Information:

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