U.S. Department of Homeland Security
Infrastructure Coordination Division

Rail Infrastructure and Impact Briefing

20 September 2005

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Hurricane Katrina 29 August 2005
There used to be a Wendy's here

As of 13 Sep 05
Used to be HWY 90

As of 13 Sep 05
Used to be O’Charley’s

As of 13 Sep 05
President Casino used to be 2 mi up road on other side of HWY 90
Used to be a bigger bldg

As of 13 Sep 05
Estimated Rail Status - East

Rail: Green=Open  Yellow=Closed
Road: Grey=Interstate MSR  Blue=Highway MSR  Red=Highway Non-MSR

As of 13 Sep 05
Estimated Rail Status - West

Rail: Green=Open  Yellow=Closed
Road: Grey=Interstate MSR  Blue=Highway MSR  Red=Highway Non-MSR

As of 13 Sep 05
Interstate & Highway Closures into New Orleans

Green=Open  Red=Closed

As of 13 Sep 05
Estimated Rail Status & MSRs

Rail: Green=Open  Yellow=Closed
Road: Grey=Interstate MSR  Blue=Highway MSR  Red=Highway Non-MSR

As of 13 Sep 05
Estimated Rail Status - New Orleans

- New Orleans Public Belt RR
- Union Station Yard
- CSX Gentilly Yard
- NS Oliver Yard
- UP Avondale Yard
- Huey Long Bridge
- Front Street Yard

As of 13 Sep 05

Red=Closed  Green=Open  Yellow=Unknown  Black=Previously Abandoned
Levee Break
Hwy. 23 in Boothville
As of 13 Sep 05

Railroad near the Belle Chasse Naval Base
Driftwood carried across the levee of the Mississippi River by storm surge - Belle Chasse
Menhaden Boats on Hwy 23 at the foot of the Empire High Rise Bridge

As of 13 Sep 05
Ship on the Levee near Our Lady of Good Harbor Church - Buras
Mississippi River Levee in front of Plaquemines Parish Prison - East Pointe-a-la-Hache
New Orleans/Outlying area Rail Infrastructure

- Rail Reconstruction Priorities in Outlying areas: #1 Priority…hard to do.

  - CSX Transportation with catastrophic damage east of New Orleans to Pascagoula MS. Several bridges out with major infrastructure restoration needed. CSX Bridges out are:
    - Bay St. Louis, MS…Pascagoula Bay Bridge, MS…Catastrophic damage to rail track/other infrastructure from Biloxi MS to Gulfport MS.
    - This line is part of the DoD STRACNET for National Defense purposes.

As of 13 Sep 05
New Orleans/Outlying area Rail Infrastructure

Rail Reconstruction Priorities in New Orleans

- NS Corp: Rigolets bridge repairs over Lake Ponchatrain leading from Oliver Yard near Florida Avenue. 200 contractors worked around the clock with railroad police providing security for operations.

  Provides west/east connection with Union Pacific and Burlington Northern Santa Fe.
  Line is also on the USTRANSCOM STRACNET.

- New Orleans Public Belt Railroad: Extensive damage with flooding on east side of Huey P. Long bridge. Several railroads interchange in these yards to support New Orleans Port operations. Need full restoration for port support.

- Union Pacific, BNSF, CN, KCS operations good up to the Huey P. Long Bridge.

As of 13 Sep 05
National Response Plan

• Homeland Security Act 2002 established DHS to deal with Terrorism, Natural Disasters and other Emergencies to minimize damage and assist in recovery.

• HSPD-5 the President directed development of NRP

• Built on the National Incident Mgt System (NIMS) providing framework for incident mgt at all levels.

• Provides federal support during incidents of national significance

• Hurricane Katrina was the 1st time in U.S. history where the National Response Plan was implemented.
Emergency Support Functions (ESFs)

Emergency Support Function (ESF#1)-Transportation

Scope:

- Federal and civil transportation support
- Transportation safety
- Restoration/recovery of transportation infrastructure
- Movement restrictions
- Damage and impact assessment

As of 13 Sep 05
ESF#1 Transportation

• ESF #1 Supports DHS, assisting Federal agencies; State, local and tribal governmental entities; and voluntary organizations for incidents of national significance.

• DOT responsible for prevention/mitigation, preparedness recovery, infrastructure restoration, safety, and security of the Nation and it’s transportation system.

• The DHS HSOC and TSA TSOC provides DOT with relevant situational awareness and threat information reports.
Emergency Support Functions (ESFs)

Emergency Support Function (ESF#13)-Public Safety-Security

Scope:

- Facility and resource security
- Security planning and technical resource assistance
- Public safety/security support
- Support to access, traffic and crowd control

As of 13 Sep 05
Private Sector Involvement

• DHS and NRP primary and support agencies coordinate with the private sector for information sharing, form courses of action, and incorporate available resources to prevent, prepare for, respond to, and recover from incidents of National Significance.
In support of the on-going analyses of the impacts of Hurricane Katrina for NISAC, an examination of the current state of operation of the national rail transportation system was performed, with specific focus on the region of interest and commodities for which there was hurricane-related embargoes registered with the Association of American Railroads (AAR).

As of the morning of September 8, 2005, there were 11 active embargoes (not counting amendments separately) associated with Hurricane Katrina registered with the AAR, addressing 8 rail carriers, 124 unique stations, and 10 different commodity grouping designations.
Chemical & Petroleum Infrastructures

- Technical requirements
  Identify facilities at risk of releasing significant quantities of toxic industrial chemicals (TICs).
  Identify chemical and petroleum facilities at risk of causing a catastrophic fire.
- Criteria
  - Facilities storing at least 500,000 pounds (lb) of TICs or 50,000 lb of phosgene within the most damaging portion of Hurricane Katrina’s path (Mississippi, Louisiana, and Alabama).
  - Facilities storing at least 1,000,000 lb of flammable materials within the most damaging portion Hurricane Katrina’s path (Mississippi, Louisiana, and Alabama).
- Results
  Fifty-four (54) flammable storage, production, and transshipment locations exist in the path traversed by Hurricane Katrina. Approximately 81% of this region’s significant petroleum refineries and flammable producers are located in Louisiana. The majority of these facilities were damaged and evacuated.

Multiple TIC storage, consumption, and production facilities exist in the path traversed by Hurricane Katrina. Approximately 60% of these facilities exist in Louisiana. Out of the three states analyzed, Louisiana’s chemical infrastructure suffered the greatest impact.
Urban Legends starting already

As of 13 Sep 05
Rail Carrier Control of Hazmat Commodities

• NS – Removed all HM shipments from yards prior to hurricane.

• CN – All yards remained dry with no damage or concerns related to HM shipments.

• BNSF – yards remained dry and they have awareness and control.

• UP- All UP’s assets remained dry and they are aware of and in control of HM shipments on their property.

• CSX – New Orleans has various cars in area…all accounted for.

• Short Line Railroads - They delivered 2 time sensitive shipments prior to the hurricane and have no other materials of concern.

• All toxic inhalation hazards materials shipments are accounted for and secure.
Request for Assistance Example
Rail Sector Specialist Request Made to ESF#1 Function

Hurricane Katrina: Request for recovery from New Orleans Gulf Coast Railway for 24000 ft yds of debris removal & track repair leading into Conoco Phillips Alliance Refinery—which refines about 250k barrels per day when it’s operating & Harvest States elevator—one of the largest elevators on the lower Mississippi River. These two customers are at the very end of the rail at Myrtle Grove LA. Sector specialist sent request today to FEMA HQ ESF#1 function for pass thru to the Emergency Operations Center (EOC) at Baton Rouge LA.
New Orleans Gulf Coast Rwy

As of 13 Sep 05
NOGC Rwy Myrtle Grove Line

As of 13 Sep 05
NOGC Rwy along the River Levee

As of 13 Sep 05
Rail in-between road and levee

As of 13 Sep 05
Conoco Phillips Alliance Refinery

250 K Barrells per day

As of 13 Sep 05
Process for Requesting Assistance
For Critical Infrastructure Related Needs

• All attempts to meet such needs should first be addressed at the local level.

• Requests from infrastructure owners and operators should be submitted to the local DHS/IP Infrastructure Coordinator located within the Joint Field Offices (JFOs).

The contact information for these POCs are:

- **Louisiana**
  - 225-242-6031
  - 225-242-6032

- **Mississippi**
  - 601-961-2672
  - 601-961-2686

Or… the National Infrastructure Coordinating Center (NICC) at 202-282-9201.

If security is the concern, the DHS/IP Infrastructure Coordinator will ensure that the request is provided to ESF #13, Public Safety and Security.
Process for Requesting Assistance
For Critical Infrastructure Related Needs

Security Concerns:

- IP assessment teams are on the ground to support the security assessment process. If a need is established, ESF #13 will validate whether state, local, or National Guard assets can perform the mission.

- If they cannot provide support, ESF #13 will determine if law enforcement assets are available for the mission.

- Although the day-to-day security situation is improving, it may not be possible to obtain additional security for all requests. DHS/IP will, however, provide situational awareness of the status of each request.
Process for Requesting Assistance
For Critical Infrastructure Related Needs

For non-security related concerns, including infrastructure restoration activities, the DHS/IP Infrastructure Coordinator will similarly ensure that the requirement is appropriately acted upon through the JFO process.

Any needs that are not able to be addressed and satisfactorily resolved through this process should be reported to the National Infrastructure Coordinating Center (NICC) at 202-282-9201 or by email at NICC@DHS.GOV. Telecommunication companies should contact the National Coordination Center (NCC) at (703) 607-4950 or by email at NCS@NCS.GOV.
Request for Assistance
4500 lb 18 ft Croc killed by Army in New Orleans

As of 13 Sep 05
Crocs do not Live in LA

As of 13 Sep 05
Hurricane Rita Cat: 2
Hurricane Rita

Situation
• FL has requested EM Declaration, SEOC at Level 1
• Mandatory evacs in Keys, Miami-Dade, est. 60K evacs
• Shelters open in Miami-Dade, Broward, Collier Co’s
• TN, AR, others to receive LA evacuees from TX
• Region 4 RRCC at Level 1

ESF-1 – Transportation
• Begin flying Katrina evacuees out of TX today

ESF-2 – Communications
• Industry considering pre-positioning of telcom assets

ESF-3 – Public Works & Engineering
• Prime Power Assessment Teams staged Ft. Bragg NC

As of 13 Sep 05
Hurricane Rita

ESF-4 – Firefighting
• Deploy staff to Dallas, Atlanta, may move to Austin

ESF-6 – Mass Care
• Red Cross chapters will coordinate for preparedness

ESF-7 – Resource Support
• Has pre-positioned commodities, identified vendors

ESF-8 – Health/Medical Services
• 2 Deployed Med Asst Teams in Miami, other assets deployed

ESF-9 – Urban Search & Rescue
• 2 US&R teams in Miami, other assets deployed

As of 13 Sep 05
Hurricane Rita

ESF-10 – Oil & Hazardous Materials
• Monitoring Rita, assessing potential impacts

ESF-11 – Agriculture
• Assessing availability of food commodities

ESF-12 – Energy
• Deployed staff to Florida, Atlanta

ESF-13 – Public Safety and Security
• 50 FPS Officers on hold in case needed for Rita

ESF-14 – Mitigation
• Staffing National Response Coord Center 24/7

As of 13 Sep 05
Hurricane Rita

ESF-15 – External Affairs
• Issuing press releases urging public preparedness
• Public Information Ofcrs to deploy with ERT-A

DOD
• Providing helicopters to support rescue, assessment, team movement, commodities movement
• Homestead & Patrick AFBs activating as Logistics Staging Bases

EMAC
• Adjusting staffing needs to prepare for Rita