U.S. Army Corps of Engineers
North Atlantic Division
Readiness and Contingency Operations

Support to LRD’s New Madrid Operational Plan

Michael J. Ganley,
Chief RCO

US Army Corps of Engineers
BUILDING STRONG®
Mission:
 In response to a catastrophic earthquake in the NMSZ, USACE deploys forces to the central United States in order to assess and repair flood protection, civil works and navigation infrastructure, execute missions in support of DHS/FEMA under the NRF, support NORTHCOM/ARNORTH Joint Task Forces, and provide support to others repairing critical infrastructure, in order to save lives, protect property and critical infrastructure, and re-establish public utilities and services in the impacted area.

Specified Tasks:
 Support FEMA under the NRF
 Repair and maintain flood control infrastructure under PL 84-99
 Continue on-going operating and construction projects.
 Support ARNORTH/NORTHCOM JTFs with Engineer staff cells

Tasks to Subordinate Units:
 NAD:
► Direct Support to LRD for support to the Civil Works Infrastructure TF, and other USACE missions within the LRD boundaries
<table>
<thead>
<tr>
<th>STATE</th>
<th>LRD Lead</th>
<th>NAD Supporting</th>
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</thead>
<tbody>
<tr>
<td>Indiana</td>
<td>LRC</td>
<td>NAN</td>
</tr>
<tr>
<td>Kentucky</td>
<td>LRL</td>
<td>NAP</td>
</tr>
<tr>
<td>Tennessee</td>
<td>LRN</td>
<td>NAP</td>
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RSOI/RFO Operational Time Line

Incident occurs

1st 24 hrs

24-96 hrs

97 hrs

Ops continue 1-2 years

Closeout

No Notice

Begin Ops

- Supported District execute vRSOI
  - Mission PRTs deploy to ISB
  - NAD Adv party movement to RFO

• Movement Prep
  - Main Body movement to RFO
  - Establish RFOs in IN, KY, and TN

• RFOs operational in IN, KY and TN
  - RSOI integrated into RFO operations

• RSOI continues throughout mission lifecycle

• RFO Stand-down
  - RSOI Complete
  - All employees returned to Home Station
Support for USACE Civil Works Projects Will Be Conducted Within Current Civil Works Boundaries
Divisions’ Own Authorities
Restore flood protection/civil works
Mississippi River: MVD w/ SAD in DS
Ohio River: LRD w/NAD in DS

NORTHCOM/ARNORTH
- NWD, Lead Division, augments MCP EN staff
- POD augments CCP1/JTF-51 EN staff
- EN Augmentation to JTF-CS EN staff - TBD
- Locations of MCP, CCP1 and JTF-CS TBD

NRF/ESF #3 Support
- TN is Main Effort
- Priority States: TN, AR, MO

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**USACE NMSZ Response Plan: Phase 2a – Immediate Response**

**NWD**
- Task: Lead Div ISO DoD, FEMA, & USCG in MO, and lead Div ISO NORTHCOM/ARNORTH
- Purpose: Execute response efforts ISO USACE authorities, FEMA, and DoD (NORTHCOM/ARNORTH) and augment the MCP EN Staff

**SWD**
- Task: Lead Div ISO DoD, FEMA, & USCG in AR
- Purpose: Execute response efforts ISO USACE authorities, FEMA, and DoD (NORTHCOM/ARNORTH)

**LRD**
- Task: Lead Div ISO DoD, FEMA, & USCG in IN, KY, & TN, and the Ohio River
- Purpose: Execute response efforts ISO DoD, USACE authorities, FEMA, & DoD (NORTHCOM/ARNORTH)

**SAD**
- Task: Lead Div ISO DoD, FEMA, & USCG in AL, and DS to MVD
- Purpose: Execute response efforts ISO DoD, USACE authorities, FEMA, & DoD (NORTHCOM/ARNORTH)

**MVD**
- Task: Lead Div ISO DoD, FEMA, & USCG in MS & IL and the Mississippi River
- Purpose: Execute response efforts ISO DoD, USACE authorities, FEMA, & DoD (NORTHCOM/ARNORTH)

**NAD**
- Task: DS to LRD
- Purpose: Spt LRD response efforts ISO USACE authorities, FEMA, and DoD (NORTHCOM/ARNORTH)

**POD**
- Task: GS to USACE, as directed by HQUSACE
- Purpose: Spt response efforts ISO USACE authorities, NORTHCOM/ARNORTH, and FEMA
- Task: EN Staff Augmentation cell ISO JTF-51/CCP1
- Purpose: Spt DoD (NORTHCOM/ARNORTH) response efforts (when directed)

**SPD**
- Task: GS to USACE, as directed by HQUSACE
- Purpose: Spt response efforts ISO USACE authorities, NORTHCORCOM/ARNORTH, and FEMA

**HQUSACE**
- Task: Deploy DCG CW&EO and stand up the SIRC
- Purpose: Provide C2, SIRC provides vision and recommendations for recovery

**TAD**
- Task: Be prepared to provide FFE equipment
- Purpose: Provide FEST sets as needed

**NOTE:** NORTHCOM/ARNORTH MCP, CCP1 and JTF CS locations TBD
Phase 2a – Restoration of Navigation

Divisions

Provide LNOs to support USCG RRRUs / facilitate coordination between RRRUs and MTSRUs

LRD: IN, KY, and TN
MVD: IL and MS
NWD: MO
SWD: AR

Lead Divisions:
MDV: USCG coordination and USACE efforts along the Upper and Lower Mississippi River
LRD: USACE efforts along the Ohio River

USCG Commands (Lower MS, Upper MS, OH River, and HQs, 8th District):

- UMS: Marine Transportation System
- LMS: USCG Riverine (MSRU) Joint Agency located at the State Joint Filed Office
Key Tasks:

- 2b: first 24 to 72 hours
- 2c: 72 hours to 30 days
- Complete deployment
- Co-locate DCG-CW&EO vic UACG
- Engineer reconnaissance and assessments of civil works and critical infrastructure
- Initiate temporary repairs to flood protection infrastructure ISO flood fighting measures
- Execute public works missions under ESF #3 and ISO FEMA and other agencies

Phase 2b - Deployment
Phase 2c - Employment & Sustained Response

Pre-Assigned Missions
<table>
<thead>
<tr>
<th>Debris Removal Challenges:</th>
<th>Power Restoration Challenges:</th>
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<tbody>
<tr>
<td>• No fully-coordinated debris clearing plan across all Government levels</td>
<td>• DOE projects ~¾ of CONUS in blackout for undetermined amount of time after such an event</td>
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<td>• No lead agency identified to manage the response for this size event</td>
<td>• Almost complete shut-down of communications, manufacturing, and US economy</td>
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<tr>
<td>• Management of extraordinary volume of multiple debris types – such as haz-mat and human &amp; animal remains</td>
<td>• FEMA’s ~800 generators insufficient to meet demand of this magnitude. How will limited resources be adjudicated?</td>
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<td>• Debris blockage &amp; damaged roads/bridges</td>
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<tr>
<th>Navigation Challenges:</th>
<th>Water &amp; Waste Water Infrastructure Challenges:</th>
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<td>• Communication landlines severed and cell towers damaged or misaligned in event area. Limited number of satellite-phones may work – but system may be overtaxed.</td>
<td>• Immediate lack of water - impacting firefighting and medical services.</td>
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<tr>
<td>• Need communications plan (ACE-IT).</td>
<td>• Waste water treatment and channelization would stop. Exposure to untreated sewage.</td>
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<td>• Damaged locks in Miss &amp; OH Rivers causes Navigation gridlock which impacts export of crops, and arrival of fuel.</td>
<td>• No existing coordinated-effort to rapidly assess the condition of the water and waste-water infrastructure.</td>
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<td>• Bridges collapse and chemical &amp; Oil spills (USCG/EPA/states/barge industry)</td>
<td>• Need contingency plan to trucked bottled water as stop-gap while W/WW infrastructure is repaired.</td>
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<td>• No cohesive interagency effort to adequately address area of impact (FEMA, Corps, States, Local Public Works).</td>
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<td>• Insufficient resources to conduct rapid infrastructure assessments</td>
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<td>• Commo problems duplicating inspection efforts</td>
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QUESTIONS