



Meeting Your Community's Needs in the Days Following an Earthquake

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1811 - 1812 New Madrid Fault Earthquake Timeline

- ▶ *December 16, 1811* Magnitude 7.5 on the fault in Northeast Arkansas
- ▶ *December 16 & 17, 1811* Three Magnitude 6.0 - 6.5 Earthquakes Occurred
- ▶ *January 23, 1812* Magnitude 7.3 Missouri
- ▶ *February 7, 1812* Magnitude 7.5 along the Reelfoot fault in Missouri and Tennessee
- ▶ *Between December 16, 1811 and March 15, 1812*
 - ▶ 200 moderate to large aftershocks in the New Madrid region. Ten of those greater than 6.0.
 - ▶ 100 aftershocks Magnitude 5.0 - 5.9
 - ▶ 89 in the Magnitude 4 range
 - ▶ 1800 aftershocks Magnitude 3.0 - 4.0

* USGS Earthquake Hazards Program Webpage



A Catastrophic Earthquake Occurs on the New Madrid Fault

- ▶ What are the likely impacts?
 - ▶ Liquification
 - ▶ Power Outages
 - ▶ Road Damage
 - ▶ Damage to Residences
 - ▶ Injuries and fatalities
 - ▶ Supply chain disruptions
 - ▶ Hospitals and healthcare damaged
 - ▶ Water and sewer systems impacted
 - ▶ Pipeline ruptures
 - ▶ Etc. Etc. Etc.



An Earthquake Occurs on the New Madrid Fault

► Bottom Line

- Critical infrastructure damaged or destroyed
- Residents will not be able access “normal” day to day resources including:
 - Food
 - Drinking Water
 - Prescription medications
 - Healthcare Resources
 - Electricity
 - Natural Gas
 - Etc.



An Earthquake Occurs on the New Madrid Fault

- ▶ This will not be a “typical” catastrophic disaster due to the cataclysmic nature of this event(s).
- ▶ What to expect
 - ▶ Multiple significant aftershocks See Slide #2
 - ▶ The ability of the state and federal government to provide immediate assistance/support will be greatly diminished due to the damage to roads and liquefaction.
 - ▶ There is a mantra in emergency management which is: Disaster begin and end locally and it will be especially true for a catastrophic earthquake along the New Madrid.
 - ▶ Local government will need to meet the needs of their residents for an extended period of time following the earthquake and subsequent aftershocks.
 - ▶ *Fear not, we have a Field Operations Guide (FOG) that assists local government in meeting the needs of survivors following a disaster or other catastrophic events.*



What is a Field Operations Guide (FOG)?

- ▶ Provides on-the-ground personnel with essential information and procedures to effectively perform tasks in a specific situation.
 - ▶ Including
 - ▶ Checklists
 - ▶ Diagrams
 - ▶ Position Descriptions
 - ▶ A Reference Guide
 - ▶ Practical Guidance
 - ▶ Enhances Safety



Why Create an MCEAS FOG

- ▶ The MCEAS document that serves several purposes, including:
 - ▶ An instruction and guidance document for local government to follow when providing essential and life-sustaining services to disaster survivors following an earthquake or other catastrophic event.
 - ▶ Operates as an Evacuation Assembly Site for survivors needing assistance leaving a disaster area.
 - ▶ A tool for local government to use in planning, training, and exercising for catastrophic disasters that may impact their jurisdiction.
 - ▶ The organizations that normally provide “mass care services” will not likely to be able to access the impacted counties, so local jurisdictions will need to establish their own “MCEAS” that will become the center points of not only services to those who need assistance, but to the community in general.



MCEAS FOG

- ▶ Designed to help local jurisdiction have a plan on “how to” provide life-sustaining resources and essential services to those impacted by the event, including:
 - ▶ Food
 - ▶ Water
 - ▶ Shelter
 - ▶ First Aid and Medical Support
 - ▶ Emergency Supply Distribution
 - ▶ Mental Health Services
 - ▶ Information
 - ▶ Reunification
 - ▶ Evacuee Tracking
 - ▶ Care for Pets



What Does the MCEAS FOG Include?

- ▶ A roadmap to:
 - ▶ Selecting a location for the MCEAS
 - ▶ What you need to open an MCEAS
 - ▶ How to manage an MCEAS
 - ▶ Communications and Public Information
 - ▶ Health and Medical Services
 - ▶ Training and Coaching Aids on Each Aspect of an MCEAS
 - ▶ Tools and Resources



What Does the MCEAS FOG Include?

- ▶ Detailed specifics of what services should be provided an MCEAS
- ▶ How to locate the different services needed at the MCEAS
- ▶ The layout and floor plan for an MCEAS
- ▶ Staffing an MCEAS
- ▶ Disability Integration at the MCEAS
- ▶ Opening, Running and Closing an MCEAS



What is needed for the “EAS” Portion of the MCEAS

- ▶ Evacuation Assembly Site (EAS)
 - ▶ The location where survivors who do not have their own transportation would report.
 - ▶ Transportation Services
 - ▶ Fuel
 - ▶ Pet evacuation services
 - ▶ All other services included in a MCEAS



How Long Will a Jurisdiction Need to Run an MCEAS?

- ▶ Immediately following a significant earthquake or catastrophic event, the state will do everything within its power to reach the impacted areas and restore or provide life-sustaining services.
- ▶ But in reality, it will take days or at least a week (or longer) until the state and federal government are able to reach the impacted areas and work with local government to meet the needs of those impacted the earthquake or other catastrophic disasters.
- ▶ It is important to plan for that period of time until help arrives, that's the purpose of the MCEAS FOG. To fill that gap, until help arrives.

In Conclusion

- ▶ The MCEAS FOG can be downloaded on the SEMA Webpage at:
<https://sema.dps.mo.gov/programs/documents/nmsz-eas-field-operations-guide.pdf>
- ▶ Please download several copies and keep them on hand.
- ▶ Use the tool to:
 - ▶ Develop an MCEAS leadership team.
 - ▶ Train your first responders and partner using the checklists during “blue skies”.
 - ▶ Use the MCEAS FOG as part of your jurisdiction’s exercise efforts.

Questions?

- ▶ For Further Information/Assistance Contact:
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