

NLE 2010 & 2011 Overview

JASON KOZAL

SENIOR EMERGENCY RESPONSE
COORDINATOR
NRC/NSIR/IR



- Provides a framework for prioritizing and coordinating Federal, Regional and State exercise activities
- 4 tiers of exercises
 - Tier 1 – requires Federal senior level participation
 - Tier 2,3,4 – varying level of participation
- National Level Exercise (NLE)
2010 and 2011 are Tier 1 exercises





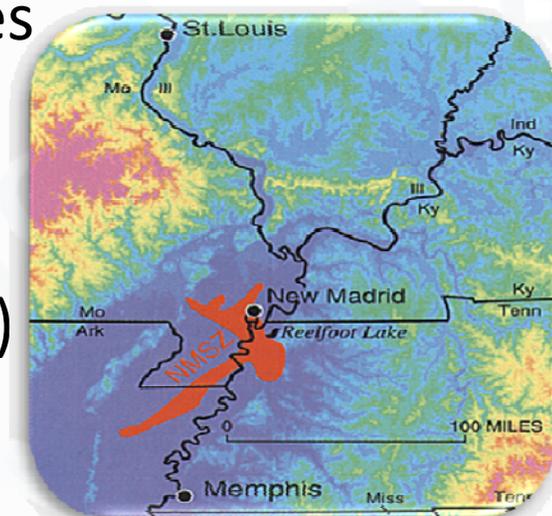
- Improvised Nuclear Device (IND) in Las Vegas Nevada
- Secondary device rendered safe in southern California

- Dates: May 17th -21st , 2010
- NRC play: local FRMAC support, threat assessment and intel analysis

- Extent of licensee play: play limited to licensee's volunteering to receive threat information from the NRC in areas of concern, no action expected from licensees.



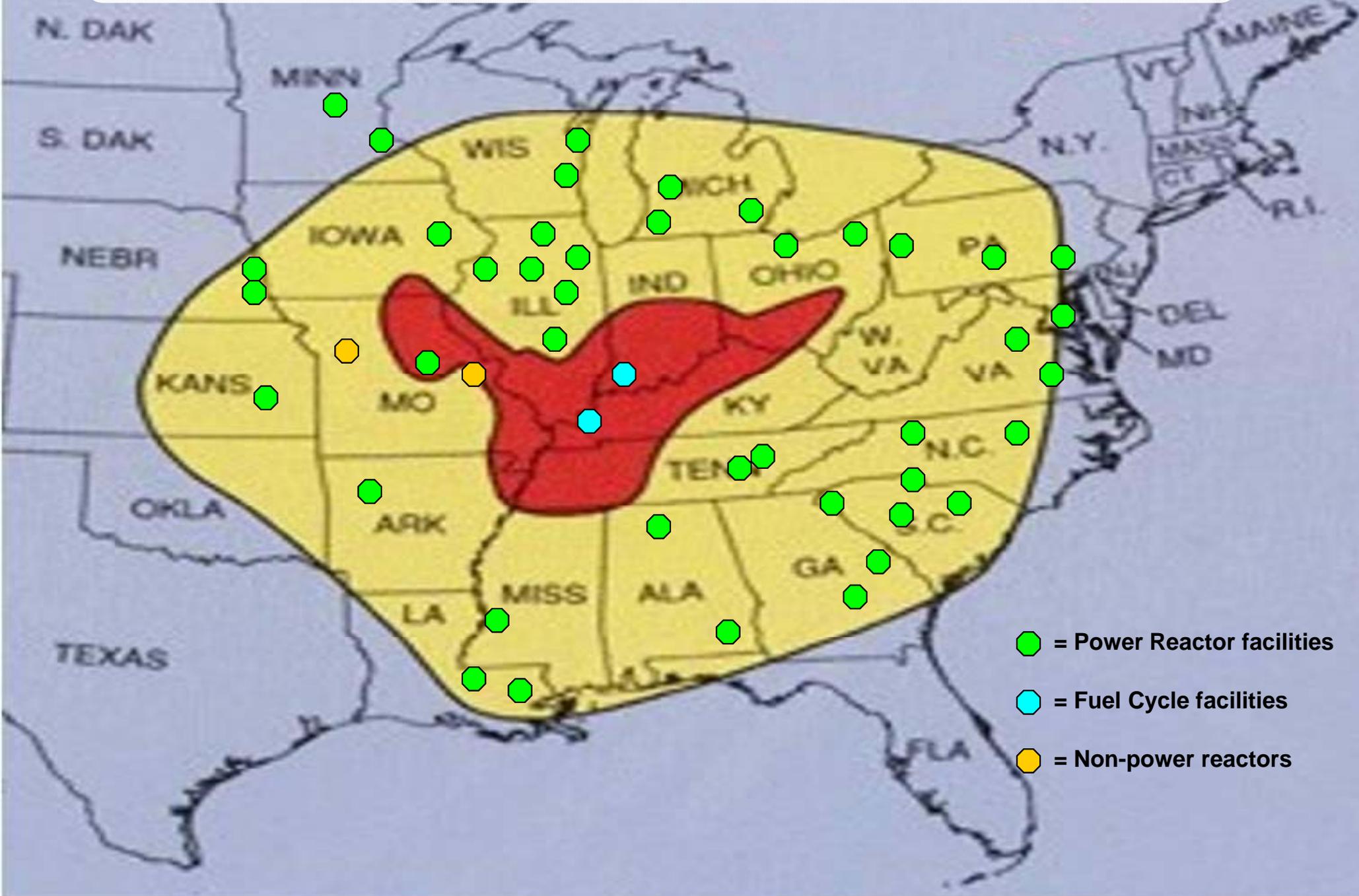
- New Madrid fault zone is 150 mi long and extends through 5 states
- The zone has created 4 of the largest earthquakes in North American history
- Largest earthquakes were in December of 1811, and early 1812 (ranging from 8.1 to 8.3 on MMS)
- Quakes rang church bells in Boston and caused the Mississippi River to flow backwards
- Studies predict that a major quake could cause the highest economic losses due to a natural disaster in the history of the United States



- Major earthquake originating at the New Madrid fault located in south east Missouri
- Earthquake intensity above 6.8
- Severe and wide spread damage
- Multiple NRC licensed facilities affected



Location of NRC regulated facilities with respect to a magnitude 6.8 earthquake at the New Madrid fault



- Dates: May 16th – 20th , 2011
- NRC Play:
 - Only exercise that NRC HQ is participating in for 2011
 - 24 hour continuous response coverage
 - Multiple events spread over the week
 - All 4 NRC Regional Offices participating

Extent of Licensee Play:

- Licensee play is on a voluntary basis
- Extent of play will be determined by licensee
- NRC DPR will coordinate play among volunteers
- Not expected to play all 5 days
- Off hour exercise injects will be provided by an NRC simulation cell
- Facility scenarios should be developed by licensee
- If there are many volunteers, licensees may be asked to play a different role in the exercise (e.g. only escalate to a NOUE vice GE)

For more information contact:

Jason Kozal
Sr. Emergency Response Coordinator
NRC/NSIR/DPR/IR
(301) 415-6231
jason.kozal@nrc.gov