DOE/NNSA Role in an International CBRNE Event

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DOE Roles

• Aerial and ground-based monitoring
• Dose assessment
• Providing advice for senior leaders (Embassy, US Military)
• Response Elements
  – Field team: small, interdisciplinary, **experienced, adaptable**
  – Home team (reachback): multi-lab, inter-disciplinary
  – Headquarters: handled political pressures
Survey Results - The Maiden Voyage
Survey Results – First Three Days

Aerial Monitoring Survey Area
Overview of Aerial Monitoring Contoured Results (3/17-03/19 2011)

Exposure Rate at 1 meter
- > 12.5 mR/hr
- 2.17 - 12.5 mR/hr
- 1.19 - 2.17 mR/hr
- 0.25 - 1.19 mR/hr
- 0.03 - 0.25 mR/hr
- 0 - 0.03 mR/hr

Map created on 05142011 0200 JST
Name: CMHT Comparison Results 0317_0319 13May2011
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Contact (202) 586 - 8100
Survey Results – Complete Footprint

Aerial Monitoring Survey Area
Overview of Aerial Monitoring Contoured Results (4/02-04/07 2011)

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- 2.17 - 12.5 mR/hr
- 1.19 - 2.17 mR/hr
- 0.25 - 1.19 mR/hr
- 0.03 - 0.25 mR/hr
- < 0.03 mR/hr

Map created on 05142011 0219 JST
Name: CM111 ComparisonResults402_04071388x2011 010UJST

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U.S. Fukushima Response

- U.S. deployed elements of interagency response team
- Unforeseen situation with new partners
  - Initial goal: enable humanitarian operations
  - Required forging new relationships during the response

Many partners – U.S. and Japanese
Partnerships Are Critical