

EXERCISE UPDATES

INNOVATE. COLLABORATE. DELIVER.

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Cobalt Magnet 25 Evaluation

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AARs are expected to be released this fall.

Preliminary Observations:

- Greater realism in exercises would boost training effectiveness and overall preparedness.
- No clear boundary exists between plume and deposition phases, emphasizing the need for integrated planning and training approaches.
- Clearer procedures are needed to improve coordination when radiological releases cross state or international boundaries.
- Numerous observations have been gathered from federal and state partners, promising a highly insightful Interagency After-Action Report.



Cobalt Magnet Series Overview

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The Cobalt Magnet exercise series is a Department of Energy (DOE)/National Nuclear Security Administration (NNSA)-led that focuses on managing the off-site consequences of a radiological or nuclear incident.

Response organizations come together in a full-scale environment to establish working relationships prior to an event; validate concepts of operation; and identify best practices, capability gaps, and areas for improvement.

The key is that this is the only exercise that we fully guide and can ensure preparedness amongst NEST responders for a CM event.

Southern Exposure 2015: South Carolina



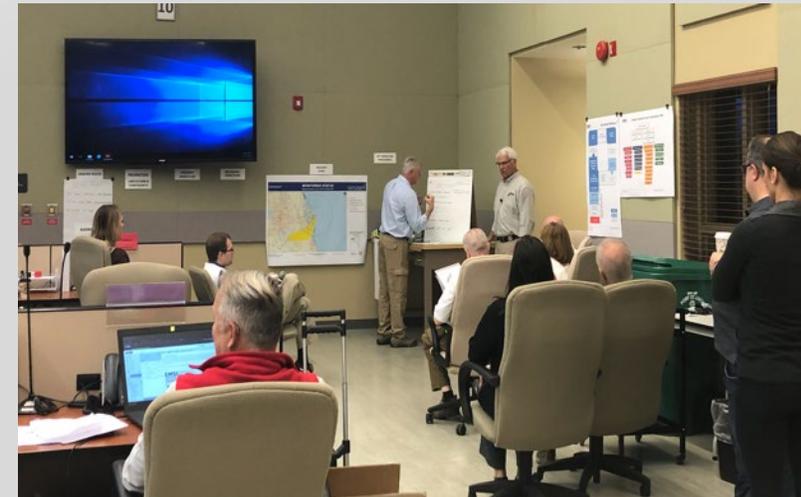
Northern Lights 2016: Minnesota



Cobalt Magnet 2022: Texas



Cobalt Magnet 2019: Florida



RAP CM Regional Drill Fiery Yucca

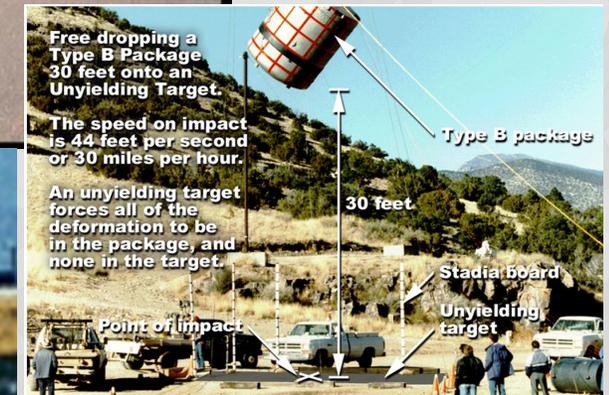
Albuquerque, NM
July 30 – 1 Aug, 2025



Exercise Scenario

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- Shipping Accident
 - Transport struck by train
 - Container Breached
 - Large explosion
- Very large Cs-137 source
 - Cs-137 contaminated with
 - Cs-134
 - Sr-90
 - Release of >10% of Inventory
- Release results in
 - Long term relocation of public
 - Agricultural & Economic impacts



Participants

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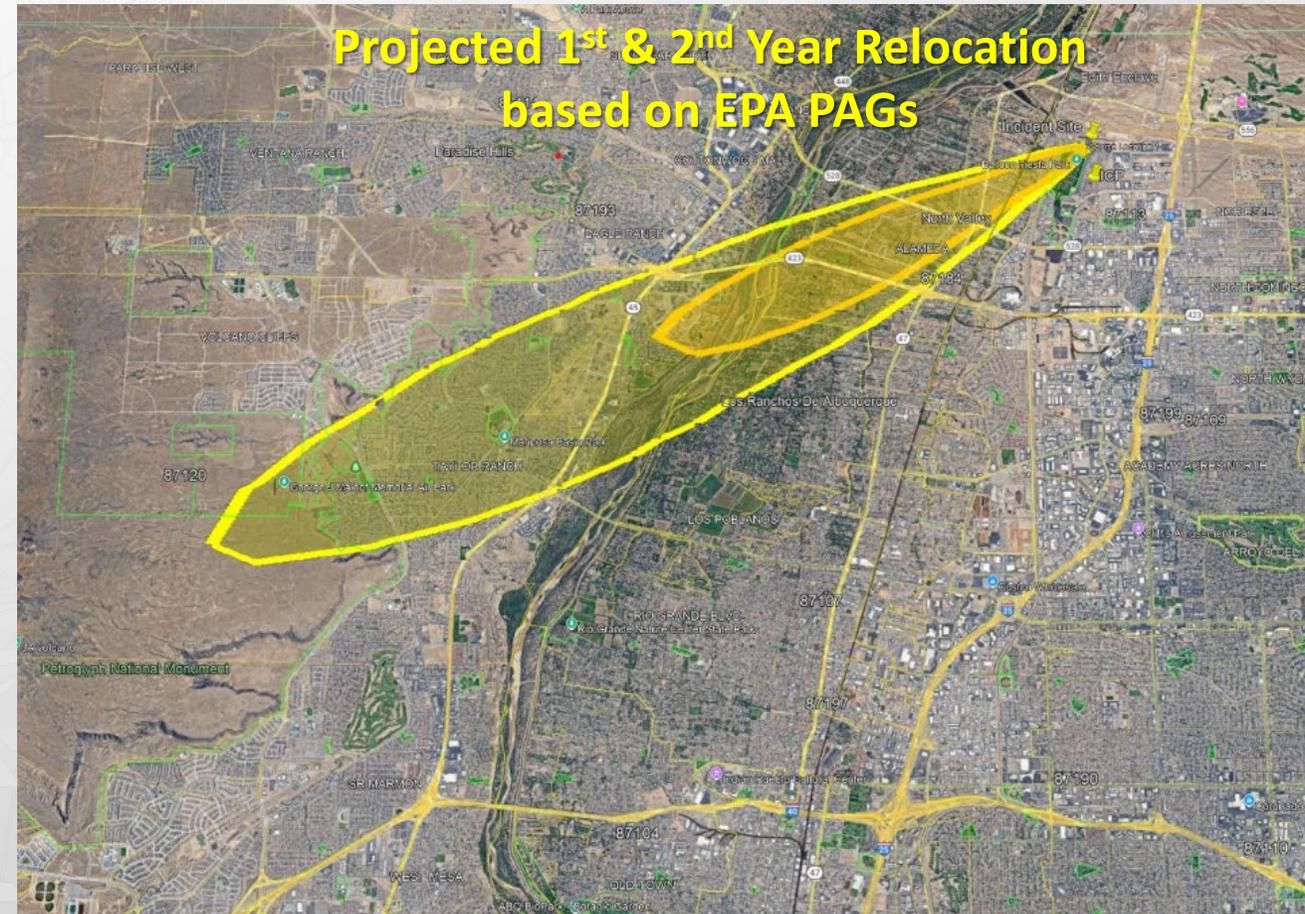
- Department of Energy
 - Radiological Assistance Program (RAP)
 - Consequence Management (CM)
- New Mexico State
 - Radiation Control Bureau (w/CRCPPD)
 - Department of Agriculture
 - Livestock Board
 - 64th CST
 - UNM Hospital
- Bernalillo County
 - Emergency Management
 - Fire and Rescue
 - Sheriffs Office
- Albuquerque City
 - Albuquerque Fire and Rescue Hazmat
 - Albuquerque Police Department



Exercise Highlights

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- Full Notification Process Tested
- Rescue of “driver” from truck
 - Over 200 R/hr at 1 m (simulated)
- Follow-on drills at local hospitals
 - Managing exposed and worried well patients
 - Managing contamination in ED
 - Managing contamination of EMS units responding
- Exercised DOE Support for BERNCO EM led response
 - Data Acquisition and Analysis Support
 - Decision support for the PAR process
- Worked through PAR process for
 - Shelter-in-place & Evacuations
 - Long-term Relocation
 - Stop Movement for Ag products
- Consultations with A-Team addressing
 - Reopening highways & rail
 - Decontaminating Ambulances
 - Managing nearby cattle farms



Questions?

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