CARLSBAD TOWN HALL MEETING

U.S. Department of Energy
Waste Isolation Pilot Plant (WIPP)

May 1, 2014

Meeting Agenda

- Opening Comments – Mayor Janway
- Panel Member Introductions – Ben Williams (Moderator)
- CBFO Manager Remarks – Joe Franco
- Update on Phase 3 Activities – Joe Franco/Tammy Reynolds
  - April 23 Entry
  - April 30 Entry
- Environmental Sampling – Bob McQuinn
- CEMRC Monitoring Results – Dr. Russell Hardy
- Closing Comments – Joe Franco/Bob McQuinn
- Audience Questions
  - One question at a time please

OPENING COMMENTS

Joe Franco, CBFO Manager

UPDATE ON RECOVERY ACTIVITIES

Joe Franco, CBFO Manager

Tammy Reynolds, NWP Deputy Recovery Manager

Phase 3: Activity 4

- Activity 4 Basics
  - Three teams
  - Three individuals outfitted in Level B Suits and BG-4s approached the waste face in Panel 7
    - No cause of event source visible
    - Teams returned to Clean Base

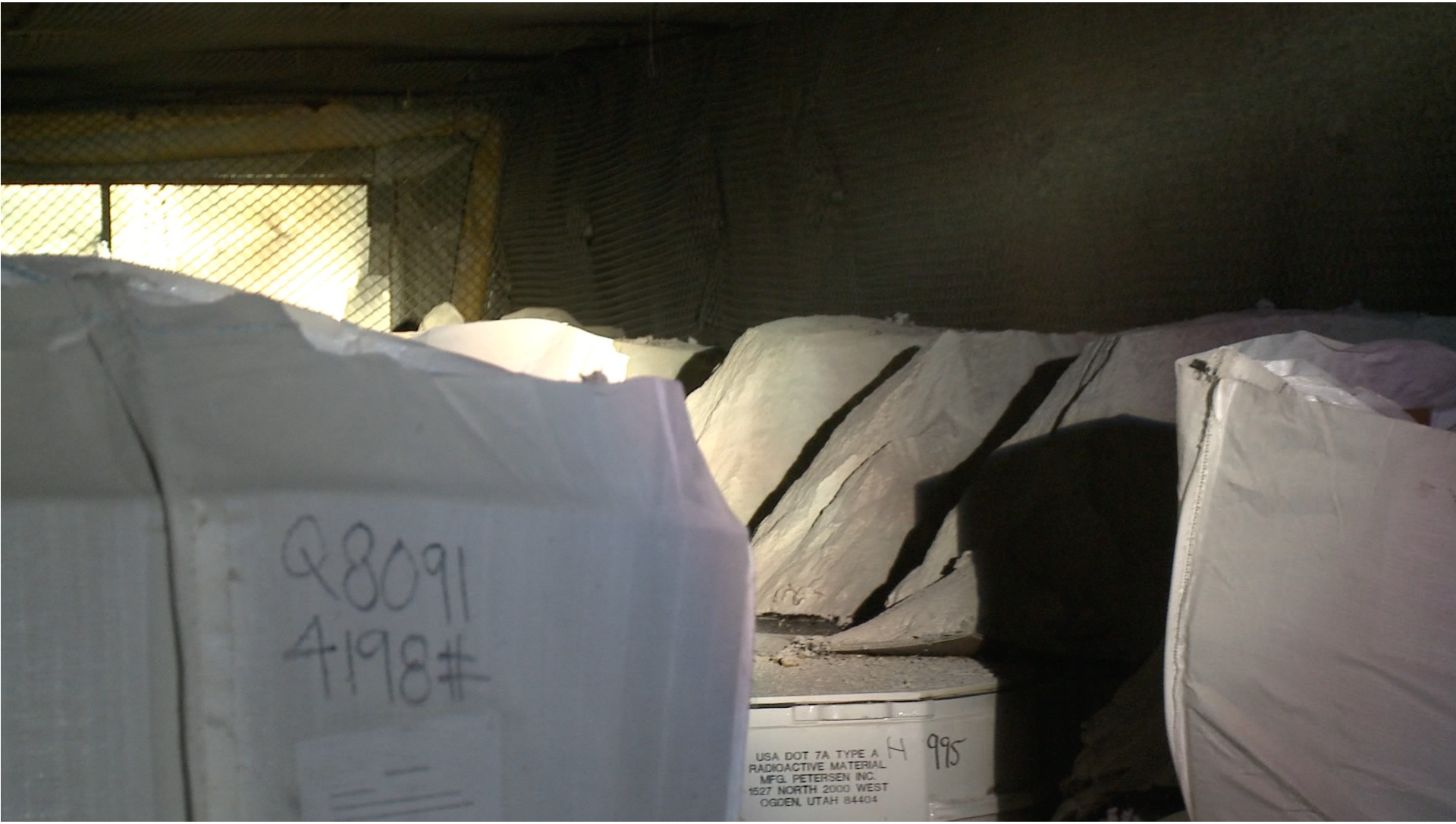
- Results of Activity
  - Video shows anomaly in waste stack
  - Provided useful information
  - Helped plan next entry
  - Narrowed focus to specific area of Room 7

Phase 3: Activity 4 *(continued)*

April 30 Entry

- Entry stay time in Room 7 was longer
- Allowed team to investigate more thoroughly
- Visual and video evidence show severe damage to bags of magnesium oxide
- No indication of what caused the damage
- Confirmed the roof and walls in Room 7 are completely intact

4200
3000
TP-110
USA DOT 7A TYPE A
RADIOACTIVE MATERIAL
MFG. PETERSEN INC.
1927 NORTH 2000 WEST
OGDEN, UTAH 84404
12 - 1084
HAZARDOUS WASTE
DANGER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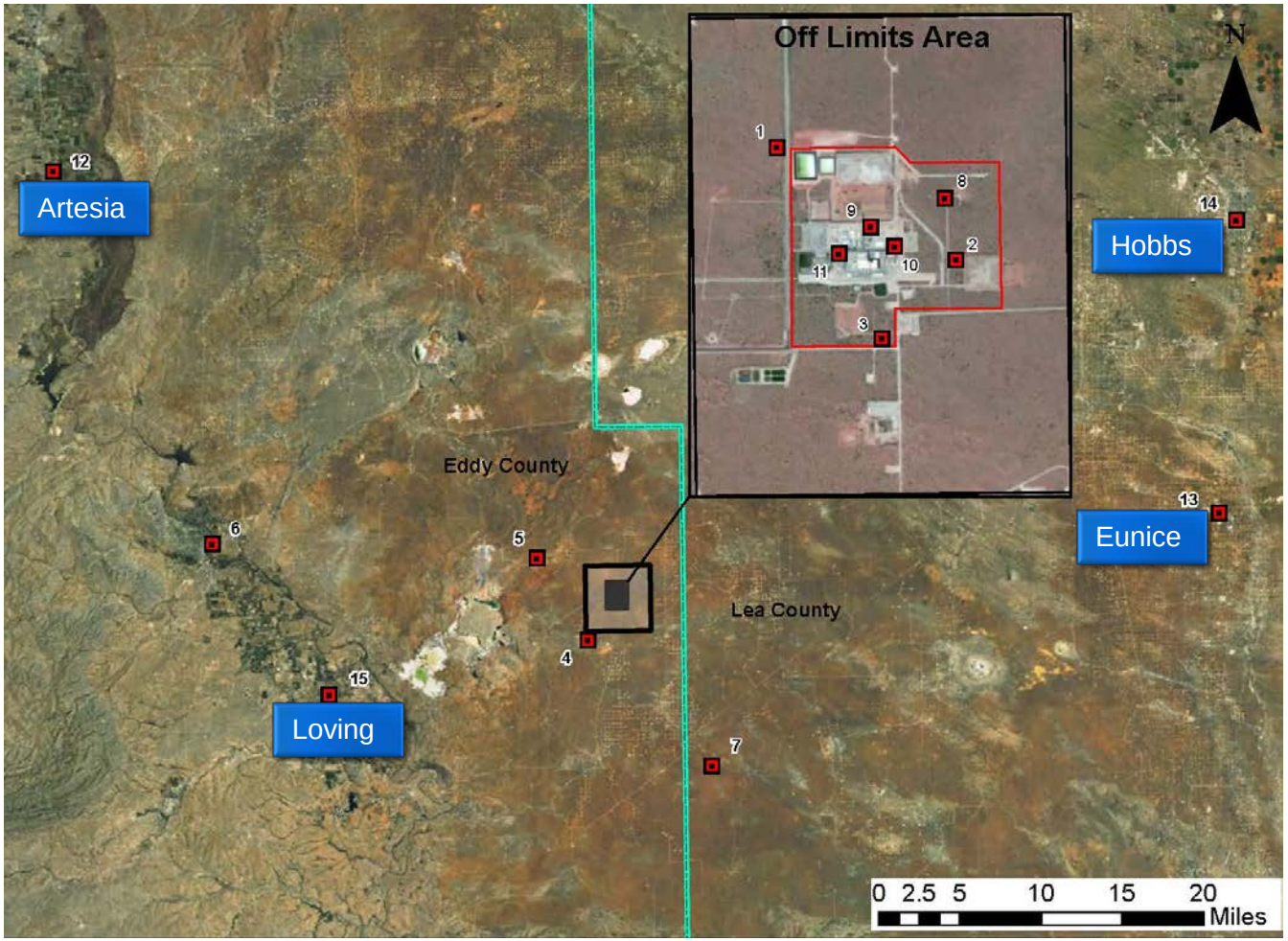
4198#
USA DOT 7A TYPE A
RADIOACTIVE MATERIAL
MFG. PETERSEN INC.
1527 NORTH 2000 WEST
OGDEN, UTAH 84404
995

ENVIRONMENTAL SAMPLING

Bob McQuinn, NWP President and Project Manager

Environmental Sampling

- New Air Sampling Locations in Surrounding Towns



Air Sampling Results From New Locations

- Sampling results from new locations are below the minimum detectable concentration (i.e. below laboratory analytical testing limits)

Location	Filter Retrieval Date	WIPP Isotopic Analyses		
		Results		Dose Estimate (mrem)
		dpm/sample	Bq/sample	
Artesia	4/15/2014	Below MDC	Below MDC	N/C
Eunice	4/15/2014	Below MDC	Below MDC	N/C
Hobbs	4/15/2014	Below MDC	Below MDC	N/C
Loving	4/15/2014	Below MDC	Below MDC	N/C

Types of Environmental Sampling

- Air Sampling
  - 89 total samples analyzed from 15 locations
  - Five (5) early samples showed low contamination
  - Last filter showing any results taken on February 18, 2014
  - All results since February 18, 2014 show below minimum detectable concentration
- Soil Sampling
  - 46 samples analyzed from 19 locations
  - One (1) sample showed low contamination (attributed to the 1961 Gnome Test)
- Salt Pile Sampling
  - Six (6) samples analyzed from six (6) locations
  - All results below minimum detectable concentration

Types of Environmental Sampling (cont.)

- Water Sampling
  - 26 samples analyzed from 19 locations
    - Two (2) samples taken on March 2, 2014 from WIPP building roof tops and roadway drainage after a rain shower showed low contamination
      - Note: Highest concentration is about 3% of the EPA drinking water standard for alpha radioactivity
    - Samples taken after March 2, 2014 from WIPP building roof tops and roadway drainage after another rain shower showed results below minimum detectable concentration
- Vegetation Sampling
  - Seven (7) samples analyzed from six (6) locations
  - All results below minimum detectable concentration
- Sampling results posted weekly on the WIPP Recovery Page at: http://www.wipp.energy.gov/wipprecovery/sampling_results.html

CEMRC MONITORING RESULTS

Dr. Russell Hardy, Director CEMRC

QUESTIONS AND ANSWERS