WIPP Town Hall Meeting
August 2, 2018

Sponsored by the U.S. Department of Energy and the City of Carlsbad, NM
Agenda

• Welcome – Mayor Dale Janway

• Introduction – Moderator John Heaton

• WIPP Status – NWP President and Project Manager Bruce Covert

• Capital Projects Update – NWP SSCVS Manager Rodney Whisenhunt

• CBFO Update – CBFO Manager Todd Shrader
WIPP Status
NWP President and Project Manager
Bruce Covert
Short Video – WIPP Progress
Safety/Environmental

- Mine Rescue Team National Competition
  - 42 teams competed
- MSHA Citations
  - All citations closed or mitigated
- Safety Trained Supervisor Certification
- Zone Safety Committees
- WIPP Annual Emergency Exercise
  - August 22nd
- NMED Annual Inspection
  - No Findings
- ISO 14001 Certification
- DSA Revision 6 Implemented
Community Commitment

WIPP Nuclear Waste Partnership

INTEGRITY • SAFETY • OWNERSHIP • TEAMWORK • RESPECT • CONTINUOUS IMPROVEMENT

Carlsbad Chamber of Commerce
2017-2018 Business of the Year
Community Commitment Plan

• Completed inaugural NWP Teacher Externship Program

• Awarded over $50,000 in scholarships to area graduating seniors and Excellence in Teaching Grants for educators

• Increased current volunteer hours for FY18 to over 3,200
Shipments (as of 7/23/18)

• Total Shipments received (since 1999) – 12,214

• Shipments since restart – 320

• Averaging 7-8 shipments/week
  • Increasing to 8-10 shipments/week end of August
Waste Emplacement Update

Start filling Room 3 (12/30/18)

Finish filling Room 5 and begin filling entrance drift up to Room 3 (8/30/18)
New Chief of Mining

Pete Graham

Graham comes to WIPP from US Silica in Berkeley Springs, West Virginia, where he has been the plant manager of the Berkeley Springs plant since 2014. He was accountable for 450,000 tons of yearly production of silica sand and 81 staff members.

Graham holds dual U.S. and Canadian citizenship. He is married with three children, two grandchildren and a 9-month-old chocolate lab named Max, “who I think is nuclear powered. He never shuts down.”

In his spare time, he likes to restore hot rods. His latest project is a 1966 Chevy pickup that he used to drag race and is now restoring for street use.
Ground Control

- Employee safety is highest priority

- Core areas being maintained in accordance with Geotechnical Engineering priorities to maintain a Safety Factor of 1.3. The core areas include the main drifts (E-300, E-140, W-30 and W-170) and cross-drifts.

Current Priorities:
- E-300 Drift up to the bottom of the exhaust shaft, including mitigation of floor heaves
- W-170 Drift between S-2180 and S-2520
- EXO area on North End
- Panel 8, as mining progresses

- Almost 6,000 bolts installed since beginning of fiscal year

- South end (South of S-2520) temporary closure completed across all 4 main drifts.
Mining Update

Mining
7/09/2018 – 7/15/2018

Panel 8:
— Back Removal Room 2
— Mined 7 Shifts
— Mined for the Week = 2,041

Mining Resumption
— Cumulative tons = 16,669

Bolting activities this week:
— S1950 Panel 8 Bolted 3 Bolt Pattern 96ft

Legend
- Planned mining
- Probe hole drilled
- Initial mining
- Re-Mine to Clay G
- Rib trimming
- Initial Air relief hole drilled
- Re-drilled Air relief hole
- Initial bolting completed
• Increase the Supplemental Ventilation System flow by 20,000 CFM

• E-140 remediation

• Establish W-30 as an alternate waste transport path

• Panel 8 mining
Conceptual Vision for WIPP (concept for future)
FY18 Scope

- Fire Loop, Phases 1 & 2
- New air compressors
- 2.4 KVA salt hoist switch replacement
- Waste Handling Building Annex roof replacement

FY19 Planning

- Development of FY19 Project scope documents underway
- Identification of staff to manage and execute projects
Capital Projects Update
NWP SSCVS Project Manager
Rodney Whisenhunt
New Ventilation System Site Layout
Critical Decision (CD) Status

**Safety Significant Confinement Ventilation System**

- CD-0 Approve Mission Need
- CD-1 Approve Alternative Selection and Cost Range
- CD-2/3
  - Approve Performance Baseline
  - Approve Start of Construction
  - Received approval on May 10, 2018
- CD-4
  - Approve Start of Operations or Project Completion
  - November 2022

**Utility Shaft**

- CD-0 Approve Mission Need
- CD-1 Approve Alternative Selection and Cost Range
- CD-2/3A
  - Approve Performance Baseline
  - Approve Start of Construction
  - Anticipated in September 2018
- CD-3B
  - Approve Start of North Access Bypass Road Construction
- CD-4 Approve Start of Operations or Project Completion
  - August 2023
What makes up this project?

• Tearing down old Workout Facility (Bldg. 482)
• Moving Xcel overhead transmission lines
• Construction of:
  - New Filter building (55,553 sq ft)
  - Salt Reduction Building (24,960 sq ft)
  - Fabrication Facility (12,000 sq ft)
• Installation of a trailer complex
• Demolition of existing ventilation system
Utilities Shaft

What makes up this project?

• New shaft (30 ft in diameter)
• Alternate Power
• Clearing new shaft area
• New Pond/Pile
• Exhaust Stack (converting the existing AIS to exhaust)
• Utility Shaft Fire Loop
• North Access Road Bypass (NARB) (approx. 3.5 miles)
• Continuous Miner
• Hybrid Bolter
• Surface Fans
• Complete pilot hole for new shaft (2,300 ft. deep)
• Approximately 1,200 feet West of the Air Intake Shaft
Capital Projects Status

- Completed grading for the Trailer Complex and Pond for SSCVS
- Evaluating bids for majority of the SSCVS work
- Finalizing Project Organization Staffing
- Working on processes and procedures
- Resolving External Independent Review HQ Comments
SSCVS Progress

Phase 1 Grading Trailer & Contractor Area Grading Completion (June)

Phase 1 Grading Berm (July)
New Filter Building (NFB) Overview
NFB Connection to Existing Exhaust Shaft with inspection platform
New Pond/Pile and Shaft Site
AIS Exhaust Stack
Shaft Number 5
CBFO Manager’s Update
Todd Shrader
<table>
<thead>
<tr>
<th>Description</th>
<th>FY19 REQUEST</th>
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<tbody>
<tr>
<td>Nuclear Waste Partnership</td>
<td>$195,045,200</td>
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<td>Other Participants</td>
<td>$69,954,800</td>
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<td>Carlsbad Infrastructure Recap</td>
<td>$46,695,000</td>
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<td>Construction 15-D-411, Safety Significant Confinement Ventilation System</td>
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<td>Construction 15-D-412, Utility Shaft</td>
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<td>Safeguards &amp; Security</td>
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<td><strong>Total</strong></td>
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## Projected Shipments

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<th>Shipments</th>
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<tr>
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</tr>
<tr>
<td>Total</td>
<td>330</td>
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• Disposing of defense TRU waste is currently WIPP’s only mission
• Guidance expected from DOE Headquarters
• Remember: Treated plutonium = defense TRU waste
Questions?