WIPP Town Hall Meeting
April 19, 2018

Sponsored by the U.S. Department of Energy
and the City of Carlsbad, NM
Welcome – Mayor Dale Janway

Introduction – Moderator John Heaton

WIPP Status – NWP President and Project Manager Bruce Covert

CBFO Update – CBFO Manager Todd Shrader
WIPP Status
NWP President and Project Manager
Bruce Covert

Nuclear Waste Partnership
An AECOM-led partnership with BWXT and AREVA
• Mine Rescue
• MSHA Citations
• Speak Up, Listen Up – more than 600 employees trained
• Safety Trained Supervisor Certification
• Zone Safety Committees
Recent Accomplishments

- FY18 federal budget approved $383 million for WIPP
  - Thanks to NM congressional delegation, local stakeholders
- Class 2 Permit Modification Request approved (March 22)
  - “Training Program Revision and Changes Due to Construction and Operation of a New Filter Building”
- Voluntary Protection Program Assessment team completed review of NWP
  - MERIT status retained
- Annual Maintenance outage completed
- Established 4-10 schedule
  - Mining on day shift/waste emplacement on back shift
Shipments (as of 04/09/18)

- Total Shipments received (since 1999) – 12,105
- Shipments since restart – 211
- Averaging 7-8 shipments/week
- WIPP drivers have safely traveled over 14.4 million loaded miles
• E-300 drift progress continues with bolting activities
• Over 500 bolts were installed throughout the underground (March)
• No change in Room 6, Panel 7
• CBFO and NWP continue to evaluate safe work conditions
• Employee safety is highest priority

Mining Video (50 sec. clip)  Bolting Video (50 sec. clip)
Mining Update (Panel 8)

Panel 8:
- Back Removal
- Mined 4 Shifts
- Tons Mined for the Week =
- Mining Resumption
  - Cumulative tons = 6,908

Legend:
- Planned mining
- Probe hole drilled
- Initial mining
- Re-Mine to Clay G
- Initial Air relief hole drilled
- Initial bolting completed

Mining
4/09/18 - 4/15/18

S-1600

PANEL 8

S-1950
Current Infrastructure Projects

- Plant Air Compressor Replacements
- Fire Loop Project Phases 1 and 2
- 2.4 KvA Salt Hoist Switch
- 411/412 Roof Replacement
Potential FY19 Infrastructure Projects

- PA System Recapitalization
- 2 Replacement Electrical Substations
- Lightning Array Design Upgrades
- Site Network Infrastructure Project
- CMR Improvements
- Above Ground Airline Replacement to the Underground (bottom of shaft for now)
- Replacement of Underground Substation
Community Commitment Plan

- Awarded the United Way Volunteer Business of the Year and Spirit of United Way Employee Giving Award
- Assisted CARC in rebuilding greenhouse tables; assisted with achieving fundraising goal of $10K
- Increased current volunteer hours for FY18 to over 1,600 hours
CBFO Manager’s Update
Todd Shrader
## FY 19 President's Request

<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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<tr>
<td>Other Participants</td>
<td>$69,954,800</td>
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<tr>
<td>Carlsbad Infrastructure Recap</td>
<td>$46,695,000</td>
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<tr>
<td>Construction 15-D-411, Safety Significant Confinement Ventilation System</td>
<td>$84,212,000</td>
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<tr>
<td>Construction 15-D-412, Utility Shaft</td>
<td>$1,000,000</td>
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<tr>
<td>Safeguards &amp; Security</td>
<td>$5,288,000</td>
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<tr>
<td>Cyber Security</td>
<td>$1,292,000</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$403,487,000</strong></td>
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Waste Control Specialists

Last Shipments of Type 1 LANL Waste Leave WCS
- Waste involved in Idaho exothermic event was NOT destined for WIPP
- Waste was uncharacterized and uncertified for WIPP disposal
- As a precaution, shipments from Idaho were temporarily halted
- Performed detailed review to confirm similar sludge waste stream (ID-RF-S3114) going to WIPP was not involved in exothermic event
- ID-RF-S3114 waste stream previously characterized and certified under more rigorous new Documented Safety Analysis and recent revision to Waste Acceptance Criteria
Recent Reports

- Jan. 17: MSHA First Quarter Summary
- March 26: DNFSB letter regarding Safety Significant Confined Ventilation System
- Office of Enterprise Assessment Reports
  - Feb. 16: Assessment of Emergency Management at WIPP
  - April 12: Lessons Learned from Assessments of Safety into Design of New DOE Nuclear Facilities
Community Assistance Program

Members of the Carlsbad Mayor's Nuclear Opportunities Committee routinely request copies of reports issued by WIPP's regulators and DOE Headquarters oversight organizations. In the interest of transparency, the reports will be uploaded to this page for the current fiscal year and then archived. If you have questions about any of the reports, please contact the WIPP Information Center at 1-800-336-9477.

Defense Nuclear Facilities Safety Board
March 26, 2018 - Waste Isolation Pilot Plant PVS Design Letter

DOE Office of Enterprise Assessments
April 18, 2018 - Memorandum and Report - Lessons Learned from Assessments of Safety into Design at New DOE Nuclear Energy Facilities
February 16, 2018 - Assessment of Emergency Management at the Waste Isolation Pilot Plant
November 2017 - Office of Enterprise Assessments Assessment of Conduct of Engineering at the Waste Isolation Pilot Plant

DOE Office of Enterprise Assessments' Office of Enforcement
February 7, 2018 - Consent Order Incorporating Agreement Between the U.S. Department of Energy and Nuclear Waste Partnership, LLC

Mine Safety and Health Administration (MSHA)
January 17, 2018 - Mine Safety and Health Administration (MSHA) FY18 First Quarter Summary
• Completed Independent Cost Estimate
• Completed External Independent Review
  • Turn over to Operations – March 2021
  • Complete Demolition of Existing System and Schedule Margin – November 2022
• Approval of project design in near future
• Request for proposal for construction forthcoming
• Plan to award construction contract May 2018
• Anticipate start of construction May 2018
Looking Ahead at WIPP

FIVE YEAR MASTER SYSTEM PLAN REV. 1

- Safety
- Performance
- Cleanup
- Closure

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WIPP Repository Utilization
(concept for future)

LEGEND
A. Above Ground Storage Facility
B. Perimeter Road
C. New Filter Building
D. Salt Reduction Building
E. New Air Stack for Unfiltered Exhaust
F. Airlock to Additional TRUJack
G. New Parking Lst
H. Bypass Road
I. Admin/Warehouse Building
J. New Property Protection Area (PPA)
K. Perimeter Fence
L. Panel 7 - Full by 2021
M. Panel 8 - Mining Complete
N. Panel 9 - Available for 2020 Emplacement
O. New Drifts
P. Drilling, Ventilation Barriers and closure the south end of the mine
Q. Waste Handling BLDG Fire
R. Suppression Upgrade
S. Upgraded Waste & Salt Hoist
T. Control System
U. Refurbish Salt Shaft
V. New Fire Water Tanks
W. New Fire Station
X. New Salt Pile
Y. New Runoff Ponds
Z. Emergency Communications
AA. Network (pre-prod)
AB. Information Technology
AC. Infrastructure Recapitalization (pre-prod)
AD. Information Loop (pre-prod)
AE. Lightning Protection System (pre-prod)

CONCEPTUAL DRAFT
Questions?