WIPP Town Hall Meeting

City of Carlsbad, NM
September 28, 2017

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

Introduction and ground rules – Moderator John Heaton

WIPP Status – NWP President and Project Manager Bruce Covert

Understanding TRU Waste Characterization & Certification – Mark Pearcy

EPA Recertification – SNL-Carlsbad Manager Paul Shoemaker

Exercise of Contract Option – CBFO Contracting Officer Suzanne Hunt

CBFO Update – CBFO Manager Todd Shrader
WIPP Status

NWP President and Project Manager
Bruce Covert

An AECOM-led partnership with BWXT and AREVA
Recent Accomplishments

• Resumption of Oak Ridge Shipments
• Community Outreach
  • United Way Day of Caring
Shipments

- Total Shipments received (since 1999) – 11,962
- Shipments since Restart – 68 (As of September 25th)
- WIPP drivers have safely traveled almost 14.3 million loaded miles
**PROJECTED SHIPMENTS**  
(August 2017 - August 2018)

<table>
<thead>
<tr>
<th>SITE</th>
<th>SHIPMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDAHO</td>
<td>170</td>
</tr>
<tr>
<td>LOS ALAMOS</td>
<td>20</td>
</tr>
<tr>
<td>OAK RIDGE</td>
<td>40</td>
</tr>
<tr>
<td>SAVANNAH RIVER</td>
<td>10</td>
</tr>
<tr>
<td>WASTE CONTROL SPECIALISTS</td>
<td>18</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>258</strong></td>
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</tbody>
</table>
- Room 5 has a 7 bolt pattern in the roof and the floor has been completed for waste emplacement and disposal activities.
- Due to the roof fall in Room 4 last year, waste is actually starting to be emplaced in the exhaust drift S2180 outside of Room 4, moving back to Room 5.
- Waste emplacement in Room 5 started September 2017.
Supplemental Ventilation System

- Contractor Readiness Assessment
  - Completed (September 15, 2017)
- DOE Readiness Assessment scheduled to start October 2nd
  - Anticipated to take one week to complete
- Once DOE approval to start the SVS is received, Start Up Plan will be implemented
- Air balancing will be performed prior to full operations
Resumption of Mining in Panel 8

- Two new salt haul trucks have been received and are in the underground being assembled.
- Preventative maintenance activities have been completed on continuous miner.
- New de-dusters are installed and tested.
- The salt bin has some beam repairs in progress, scheduled to be completed the week of October 2\textsuperscript{nd}.
- All other equipment needed for mining is ready to go.
Rock Fall Predicted

- Rock fall is predicted in Room 6, Panel 7 during next 4-6 weeks
- Room 6 has been prohibited, so employees do not have access
- Rock falls are not uncommon in prohibited areas of the WIPP underground
  - Lack of ground control
- CBFO and NWP continue to evaluate safe work conditions
- May have a temporary impact on waste emplacement
- Employee safety is highest priority

SAFETY FIRST
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Budget</th>
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<tbody>
<tr>
<td>Safety Significant High Pressure Fire Water Loop Phase 1 – replaces degraded fire water supply which has failed numerous times, increasing safety risk in the event of a fire</td>
<td>$8,000,000</td>
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<tr>
<td>Plant Air Recapitalization – system is obsolete; provides air for underground (u/g) ventilation system component operation; ventilation is an MSHA safety requirement for u/g habitability</td>
<td>$1,390,000</td>
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<tr>
<td>Electrical Substations Replacements – potential loss of functions supporting mission critical systems</td>
<td>$3,000,000</td>
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<tr>
<td>Lightning Array Design upgrade &amp; new construction</td>
<td>$1,000,000</td>
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<tr>
<td>Safety Significant Fire Suppression System (Waste Handling Building 411 Fire System) – replaces degraded noncompliant fire system protecting Transuranic Waste</td>
<td>$4,000,000</td>
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<tr>
<td>Fire Water Loop, Phase 2</td>
<td>$8,000,000</td>
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<td>WIPP Total</td>
<td>$25,390,000</td>
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Understanding TRU Waste Characterization & Certification
Mark Pearcy, NWP National TRU Program Manager

NWP
Nuclear Waste Partnership LLC

An AECOM-led partnership with BWXT and AREVA
WIPP Waste Certification Process

Generator Sites
- TRU Waste
- Processing Documents
- WASTE STREAM
- Waste Stream info
- Treatment
- CONTAINER
- RETREATMENT REQUIRED
- WAC
- TRU Waste

Certified Program ( CCP/AMWTP )
- Enhanced AK
- CCE
- AKA
- NWMDL
- BoK
- NDE/NDI Documents
- WAC REQUIRED DATA
- Characterization
- Approval
- Permit
- Recent Audit
- Confirmation
- Payload Assembly
- Manifest
- WASTE APPROVED TO SHIP
- SHIPMENT
- TRU Waste
- TRU Waste
- TRU Waste
- WAC
- DSA
- Manifest
- DSA

CBFO Contractor ( NWP )
- WDS
- Permit
- Authorization
- Shipment
- Approval
- DSA
- WAC
- TRU Waste
- TRU Waste
- TRU Waste
- DSA
- EPLACE

New Control/Element
- Process
- Documents/Data
- Movement
- Approval
- Supporting Documents
- Audit/Review
- DSA/WAC/Permit Requirement
EPA Recertification
Paul Shoemaker, SNL Carlsbad Manager
EPA Recertification in a Nutshell

- Initially certified WIPP May 13, 1998
- DOE submitted Compliance Recertification Application in 2004, 2009 and 2014
- Recent recertification consisted of approximately 2,000 pages
  - 25 sections
  - 13 appendices and one attachment
  - Executive Summary
  - Structure of CRA
- EPA issued recent recertification July 19, 2017
  - Demonstrates WIPP’s continued compliance
- Recertification will be submitted again in March 2019
Exercise of Contract Option
Carlsbad Field Office Contracting Officer
Suzanne Hunt
M&O Contract Extension

- DOE exercised 3-year option on contract with Nuclear Waste Partnership
  - Performance period is Sept. 30, 2017 to Sept. 30, 2020
- NWP has improved in performance areas measured in the Performance Evaluation Measurement Plan
- Incorporated incentive into contract that would share baseline cost savings with workforce and to improve infrastructure
- Revise key personnel to establish Chief Mining Officer
- Commitment from NWP to increase investments in local community
CBFO Manager’s Update
Todd Shrader
## Explanation of Recovery Funding

<table>
<thead>
<tr>
<th>Major Activity</th>
<th>Fiscal Year (FY) 2014 Actual Cost</th>
<th>FY 2015 Actual Cost</th>
<th>FY 2016 Actual Cost</th>
<th>FY 2017 to Date (Oct-Apr)</th>
<th>FY 2017 Planned (May-Sep)</th>
<th>FY 2014 – FY 2017 Total Recovery Costs</th>
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<tr>
<td>PBS CB-0080, Operate Facility</td>
<td>117</td>
<td>14,795</td>
<td>98,395</td>
<td>109,073</td>
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<td>FM-Contractor Fee</td>
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<td>Subtotal PBS CB-0082, WIPP Recovery Activities</td>
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<td>75,904</td>
<td>19,313</td>
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<tr>
<td>Total WIPP Recovery</td>
<td>14,795</td>
<td>98,395</td>
<td>109,073</td>
<td>20,217</td>
<td>3,390</td>
<td>245,870</td>
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New Underground Filtration System / Shaft
New Underground Filtration System / Shaft

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<td>CD-1 Design</td>
<td>Reviews</td>
<td>CD-2/3 Construction</td>
<td>Startup ORR</td>
<td>D&amp;D Existing UVS Schedule Margin</td>
<td>15-D-411 New Filter Building</td>
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<td>Reviews</td>
<td>Permit Schedule Margin</td>
<td>CD-2/3 Construction</td>
<td>ORR</td>
<td>15-D-412 Unfiltered Exhaust Shaft</td>
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<td>PM Review</td>
<td>Potential New Hoisting Project</td>
<td>CD-2/3 Construction</td>
<td>Startup ORR</td>
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<td>EVMS Certification</td>
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</table>
• Anticipated Continuing Resolution (CR) to provide federal agencies with funding from October 1 through December 8
• Estimated to equal FY 2017 enacted, less a rescission rate of about 1%
• WIPP Ops: $258.4M
• Capital Asset Projects
  • New Ventilation System, $2.5M
  • New Shaft, $29.8M
• WIPP Safeguards & Security: $4.8M
Questions?