Council of State Governments
Midwestern Radioactive Materials Transportation Committee

Waste Isolation Pilot Plant
November 14, 2019

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Nuclear Waste Partnership
Recent Accomplishments

• Panel 8 mining continues
• Earned Value Management System certification
  • Systematic project management process used to find variances based on the comparison of work planned and work performed
• Approval of CD 2 & 3 (Utility Shaft)
• South end panel closure complete
• Fully electric Load-Haul-Dump
Shipping Update (as of 11/5/19)

- Average 8-10 shipments/week
  - Total Shipments Over 12,600
- CY19 – Over 270 shipments
  - ANL – 2
  - INL – 221
  - LANL – 27
  - ORNL – 23
  - SRS – 2
  - WCS – 2

Driver Mark Beene has logged more than a million total miles, over 635,000 of which have been transporting TRU waste to WIPP.
Operations

- Shipments/waste emplacement
  - 468 Columns of waste emplaced
  - Mined over 65,000 tons from Panel 8
  - +5,600 bolts installed in FY19
Transportation Results

• Calendar Year 2019 inspection
  • March 26 – Inoperative/defective brake (Fort Collins, CO)
  • July 9 – Flat/low tire (Raton, NM)
  • August 14 – Inoperable stop lamp on trailer (ORNL)
  • October 2 – Brake connection with air leak (AMWTP)

• Calendar Year 2019 incidents
  • June 4 – private vehicle crossed double yellow line, side swiping the empty shipment near Dove Creek, CO. Colorado inspected the shipment and it continued to AMWTP.
  • June 12 – commercial vehicle rolled back into a loaded shipment on I-25 while stopped in traffic near Rock Springs, CO. Colorado inspected the shipment, there was no damage and the shipment continued to WIPP.
Panel 7 Status

Enlargement of Panel Seven - Emplacement

- Room 5
- Room 6
- Room 3
- Room 2
- Room 1
- Room 4
- Room 0

Prohibited Areas:
- Room 5
- Room 6
- Room 0

Distances:
- 30 feet
- 33 feet
Panel 8 Status

Enlargement of Panel Eight - Mining

- Initial Mining
- Reminining to Clay 6 Seam

Rooms:
- Room 1
- Room 2
- Room 3
- Room 4
- Room 5
- Room 6
- Room 7
Capital Projects

• Safety Significant Confinement Ventilation System (SSCVS)
  • Salt Reduction Building
    o 13 of 24 concrete sections have been poured
    o Remaining sections being prepped
    o Trailer complex nearing completion
  • New Filter Building
    o Underground utilities are being installed
    o Steel erection is complete
    o Metal sheeting is being installed

• Utility Shaft/North Access Road Bypass
  • Contract awarded: Harrison Western-Shaft Sinkers Joint Venture ($75M)
    • Salt Pond liner installed
    • Box culvert placement
    • Traffic control plan development
General Plant Projects

- Replacement Air Compressors
- Salt Hoist Repair
General Plant Projects

- Substations 1 & 3 Replacement
- Above Ground Airline Replacement
- WIPP Site Fire Loops Phases 1-4
- Central Monitoring Room Upgrades
- Site Infrastructure Backbone Upgrade
- Lightning Array Upgrade
- Underground Substation Replacement
- Public Address Upgrade Design
- Site Fiber Upgrade
Future Shipments

• Average 14 shipments/week
• LLNL shipments
• INL and LANL predominant shippers for approximately 10 years
• SRS and ORNL shipments
• Additional site shipments
Questions?