Southern States Energy Board

Radioactive Materials Transportation Committee and Transuranic Waste Transportation Working Group

Waste Isolation Pilot Plant

December 11, 2019

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

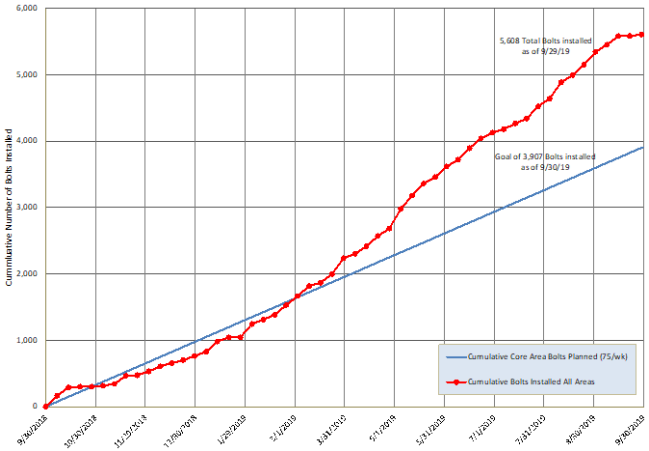
Shipping Update (as of 12/02/19)

- Average 8-10 shipments/week
  - Total Shipments Over 12,600
- CY19 – Over 270 shipments
  - ANL – 2
  - INL – 225
  - LANL – 27
  - ORNL – 27
  - 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

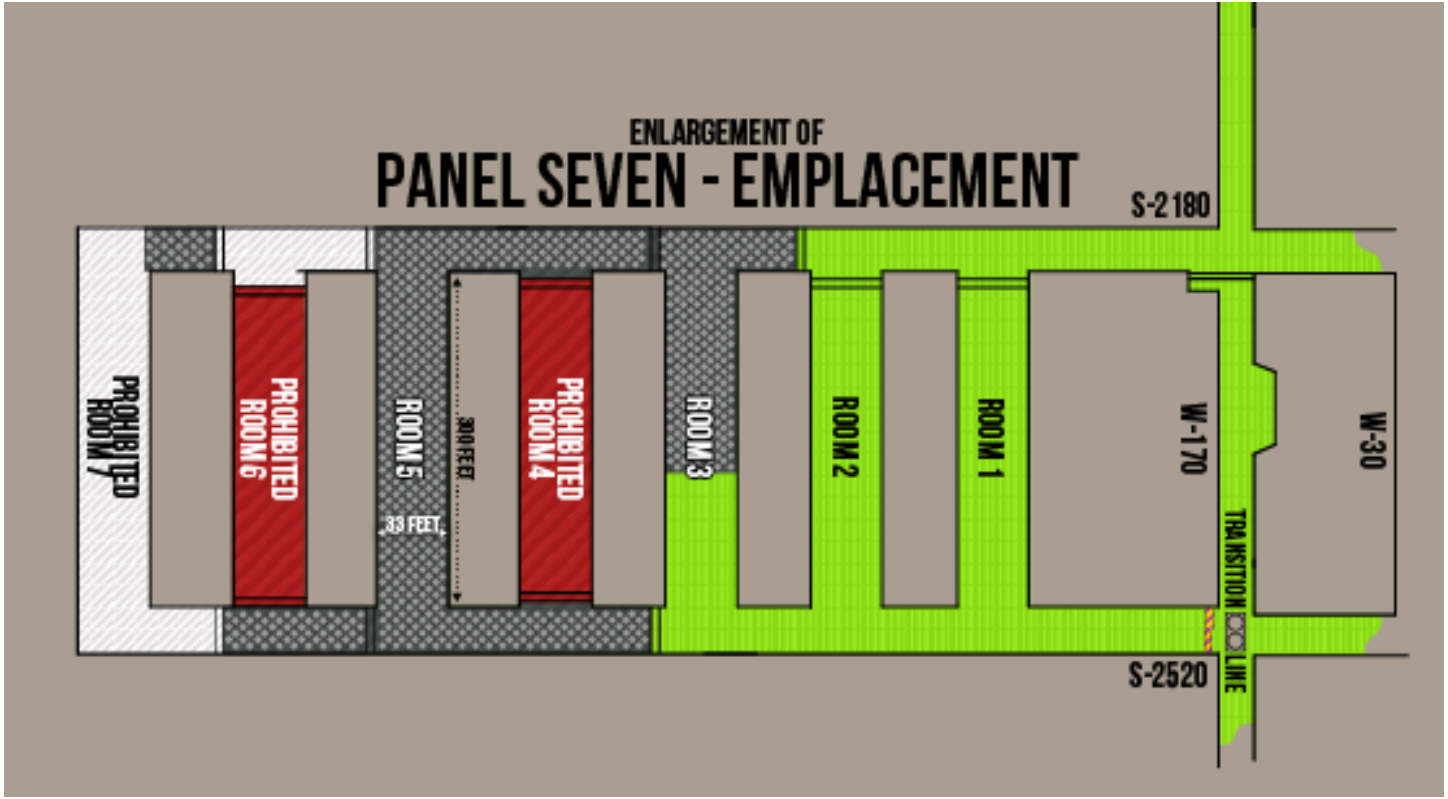
- Shipments/waste emplacement
  - 468 Columns of waste emplaced
- Mined over 65,000 tons from Panel 8
- +5,600 bolts installed in FY19



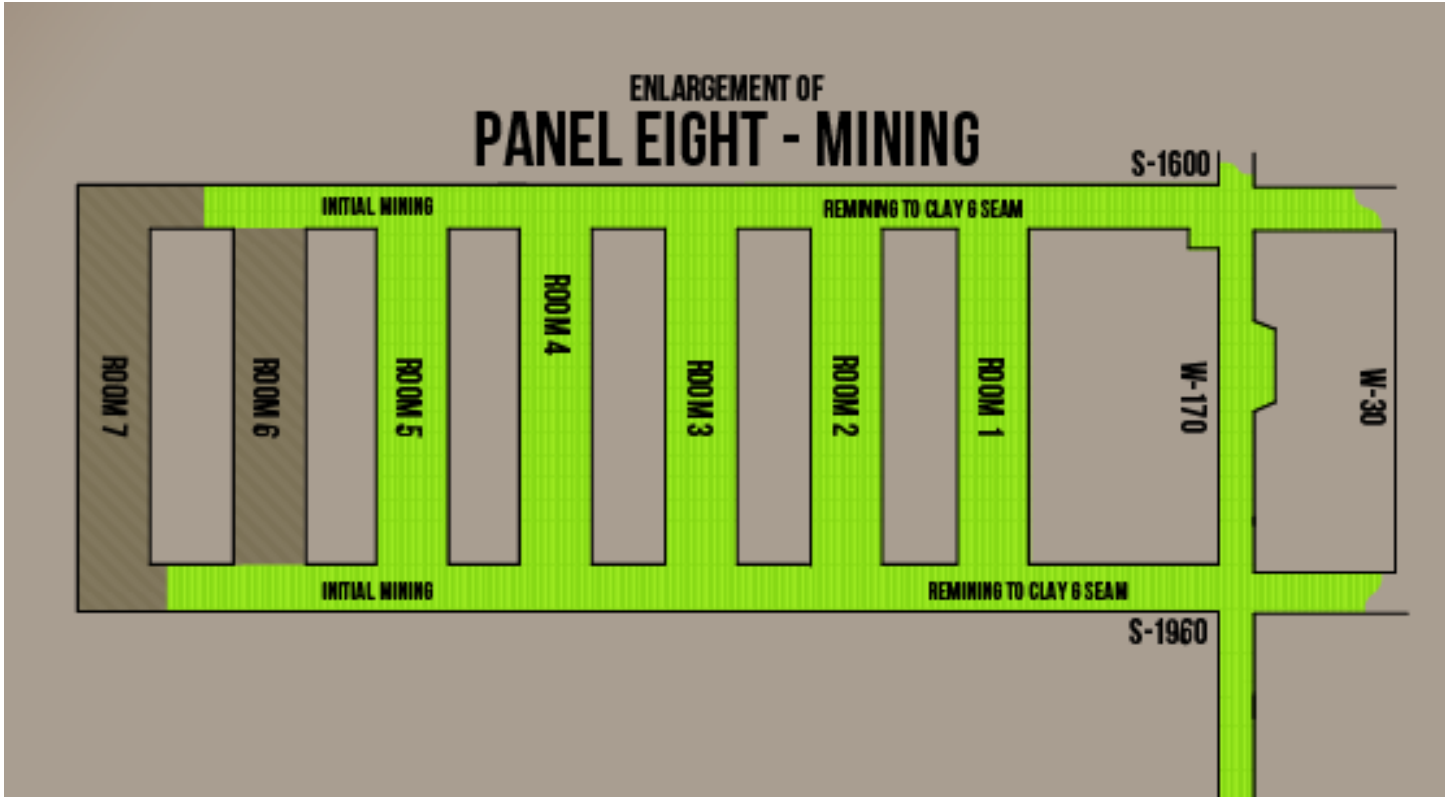
Transportation Results

- 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

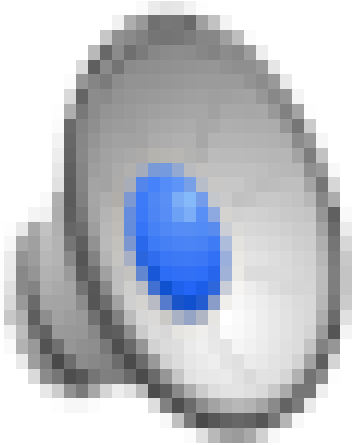


Panel 8 Status



Capital Projects

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

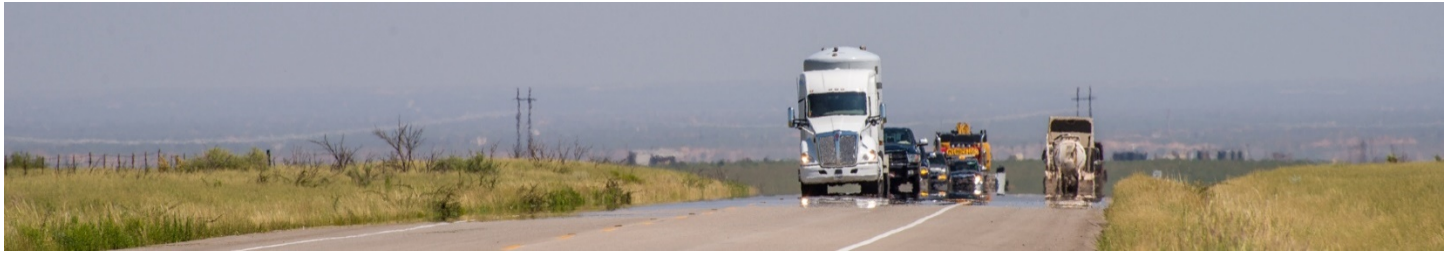
- Replacement Air Compressors
- Salt Hoist Repair

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?