

# Radioactive & Hazardous Materials Committee

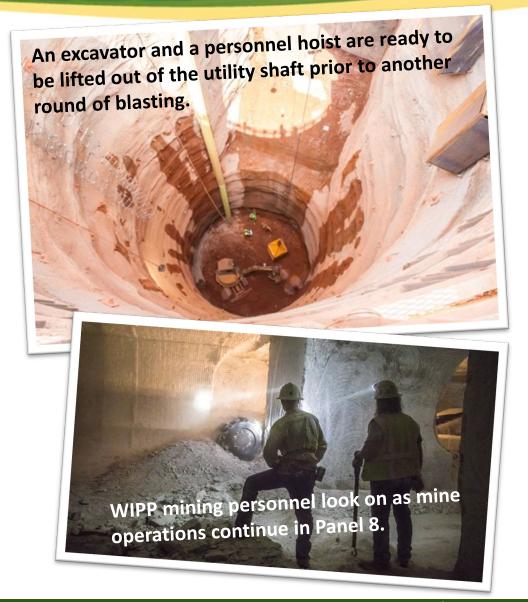
Waste Isolation Pilot Plant October 21, 2020

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# **Recent Accomplishments**

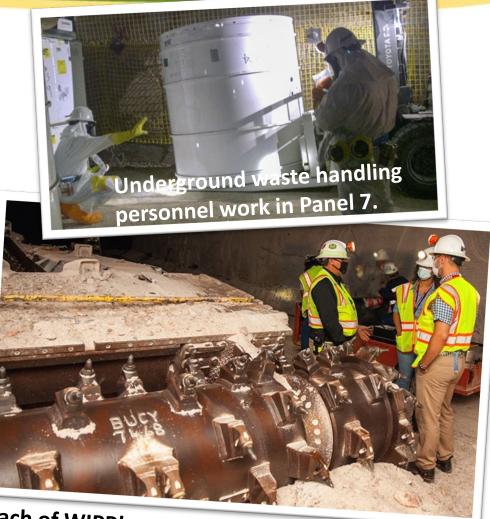
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- Averaging 5 shipments/week despite pandemic challenges
- Total Shipments 12,777 (as of October 6)
- 2020 178 shipments
- First shipment in 15 years from Lawrence Livermore Laboratory
- Savannah River shipments resuming
- Panel 8 mining nearing completion
- Utility shaft excavation 116 feet
- NWP contract extension through 2021
- Completion of WIPP Bypass Road



# Operations

- 273 columns of waste emplaced
- Mined 155,300 tons of salt to complete rough cut of Panel 8
- 8,476 rock bolts installed in 2020 to ensure mine stability (as of September 27)



Each of WIPP's continuous mining machines can excavate 10 tons of salt per minute.

# LANL remains high priority

- LANL accounted for 26% of WIPP shipments in FY20
- LANL shipments currently have high priority due to ongoing national defense mission activities
- LANL has single certification program that includes both NNSA and EM waste
- Revision of required documents for LANL loading facility will maximize efficiency of LANL TRU waste shipments, allowing both NNSA/EM to ship waste



Workers open TRUPACT-II at WIPP.

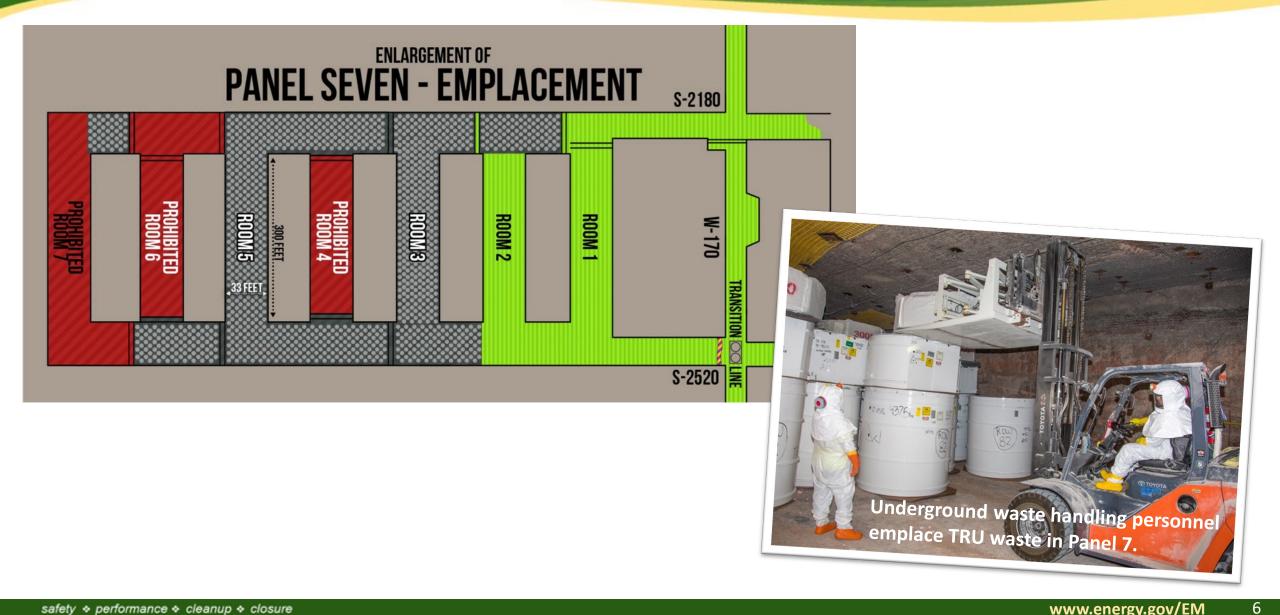
# Many factors in shipment prioritization

- Long-term shipment prioritization is accomplished by evaluating many factors
  - o Regulatory agreements
  - Site treatment/closure plans
  - $\circ$  Impact to national defense mission
  - $\circ$   $\;$  Availability of certified waste
- Short-term impacts include:
  - ✓ Inclement weather
  - ✓ Unscheduled maintenance
  - ✓ Generator site TRU waste handling issues

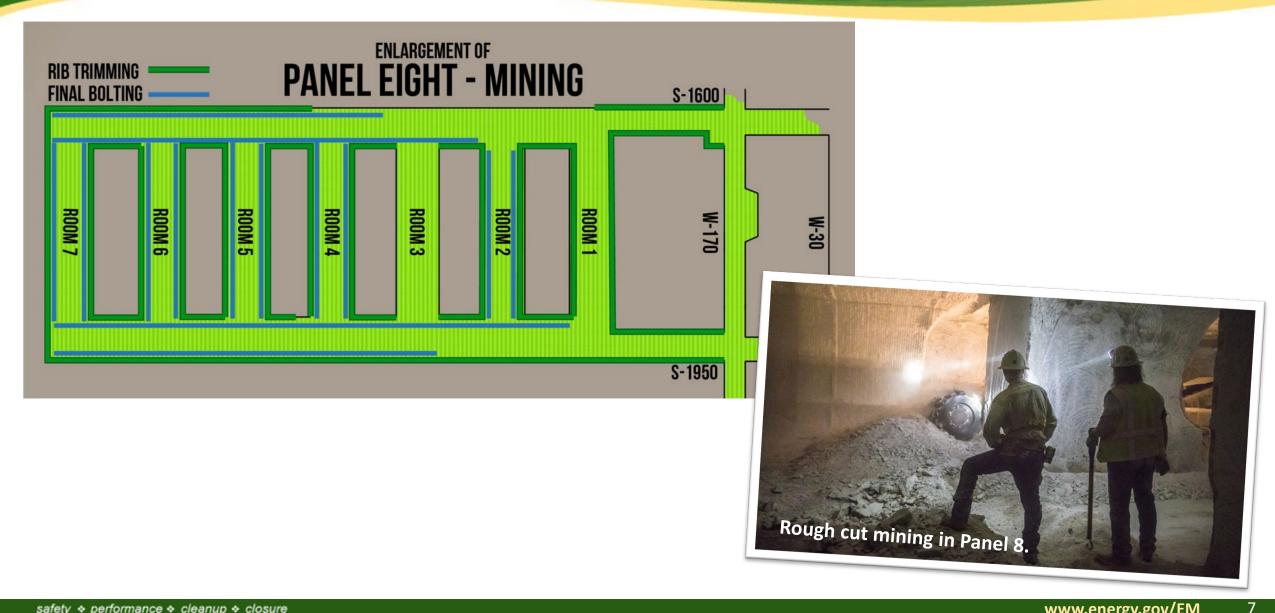
WIPP trucks have logged millions of miles hauling the nation's TRU waste to WIPP.



# Panel 7 Update



# **Panel 8 Update**



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## Safety Significant Confinement Ventilation System (SSCVS)

- Contract terminated, rebaseline documentation submitted to DOE
- Long-lead subcontractors unaffected
- Underground utilities installed
- Fabrication building completed
- Support trailer complex completed

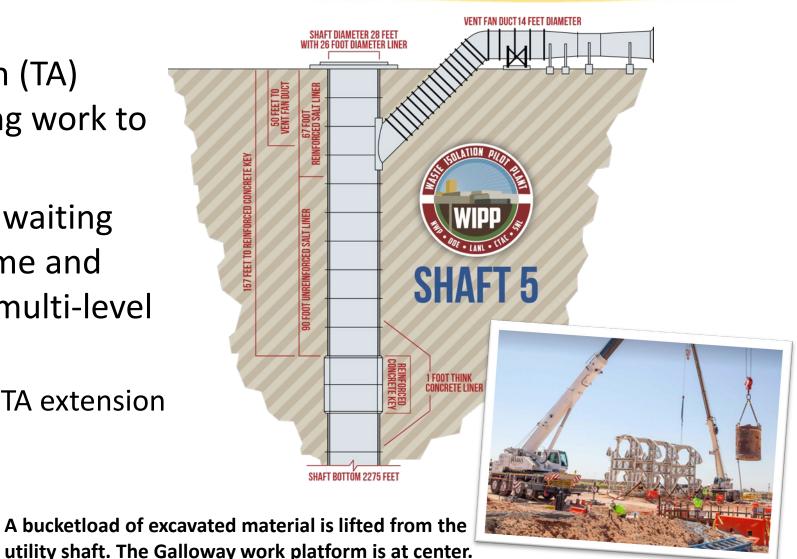


# **Utility Shaft**

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- Temporary Authorization (TA)  $\bullet$ issued by NMED, allowing work to begin
- Excavation to 116 feet, awaiting  $\bullet$ construction of headframe and completion of galloway multi-level work platform
  - Working with NMED on TA extension



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# WIPP Bypass Road

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- 3.3 mile project completed
- Reroutes hundreds

   of oilfield vehicles
   per day away
   from WIPP site
- Increases safety for workers traveling to the WIPP site



# **Improving Site Infrastructure**

# **15 projects under way**

- New air compressors operational
- Salt hoist repair
- Fire loop replacement
- Fiber-optic upgrade
- Central Monitoring Room upgrade



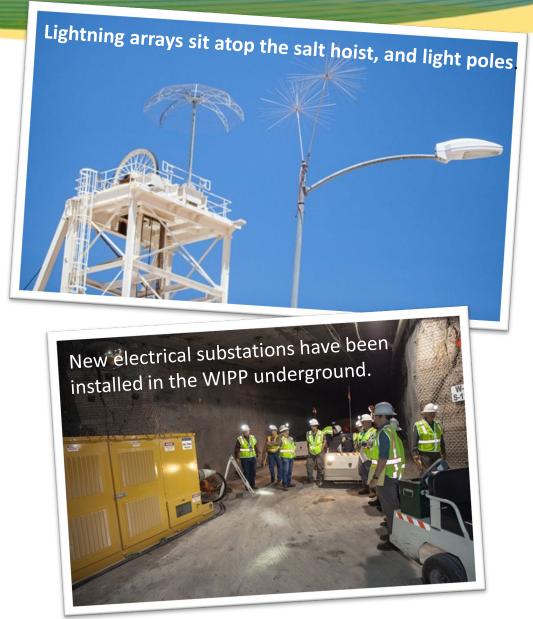
Repairs to the Salt Hoist are underway.



Multiple hydro-excavations are happening at WIPP for new air, fire water and fiber optic lines.

# **Site Infrastructure Upgrades**

- Replacement of surface/underground electrical substations
- Above-Ground air line Replacement
- Lightning Array upgrade completed
- Public address system upgrade design



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# **University Partnerships**





# QUESTIONS?