

WIPP Update
New Mexico Legislative Finance Meeting June 4, 2018

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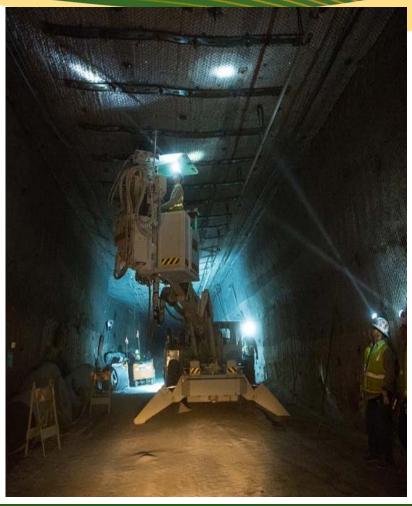


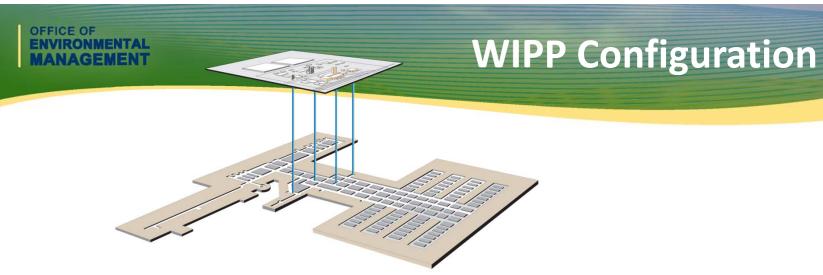




DOE Owned Facility

- Annual Budget Approx. \$300 million
- Management and OperationsContractor: Nuclear Waste PartnershipAECom
 - Los Alamos National Laboratory Carlsbad
 - Sandia National Laboratory Carlsbad
 - Portage- Northwind ServiceSupport Contractor
 - Cast Transportation Contractor
 - 1100 employees







Transuranic Waste Cycle



TRU waste was generated during the production of nuclear weapons at DOE facilities across the country

After 1970, transuranic waste was put into containers such as 55-gallon drums and stored in above-ground and shallow-burial facilities for eventual retrieval and disposal



WIPP Routes



Emplacement Considerations



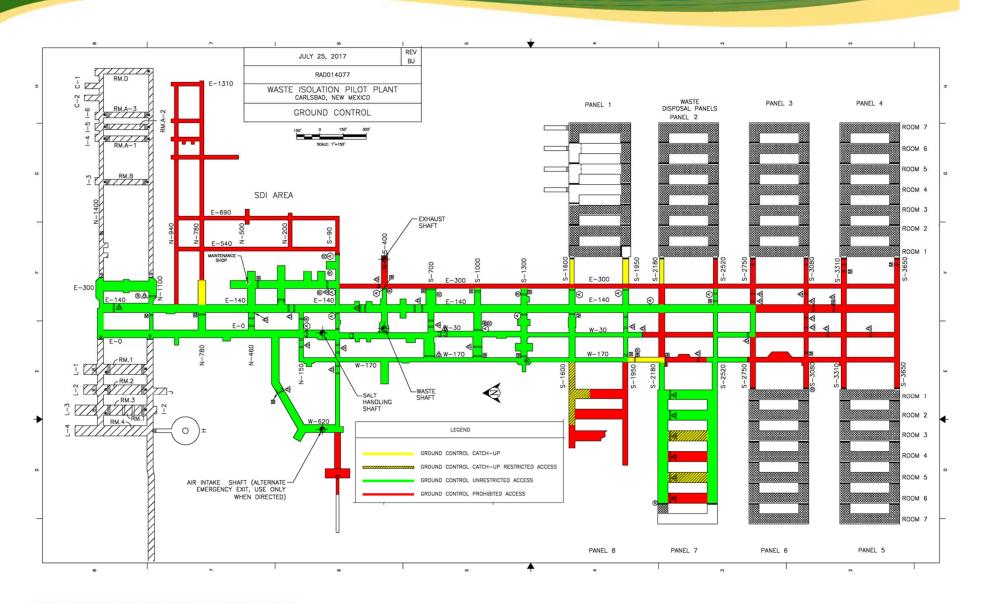
Factors Affecting Shipping

Shipping priorities are based on many factors, including:

- Need to mix waste streams from around the complex to avoid concentration of VOC generating waste in one location
- Need to mix waste types to manage curie limits for the Waste Handling Building during processing
- Need to receive packages that can be stacked in a manner that maximizes use of limited disposal area



Ground Control Status



Panel 7 Status

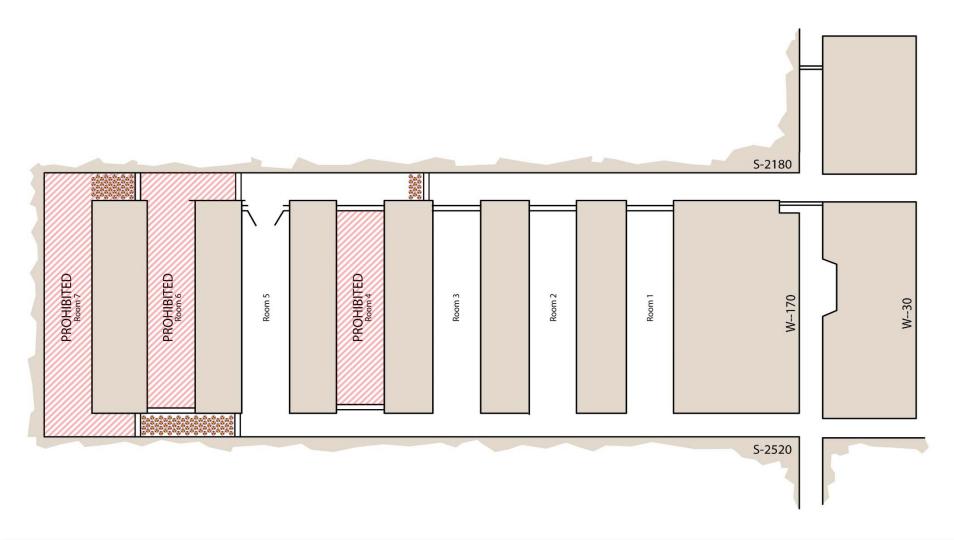
- Bulkhead were placed at both ends of Room 7 to isolate waste following events – remains closed
- Rock fall occurred in Room 4 on November 3,
 2016 fall was predicted and room was already prohibited
- Room 6 is prohibited due to ground control also contains abandoned equipment
 - Room 6 Rock Fall predicted to occur in a few weeks
- Rooms 1, 2, 3 and 5 are safe and usable for waste emplacement
- Currently available disposal capacity in Panel 7 should last approximately 3-4 years, depending on shipping rates







PANEL 7





Mining of Panel 8

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- Needs to be complete before Panel 7 is full
- Emplacement will be in clean space
- Estimated Completion 2021

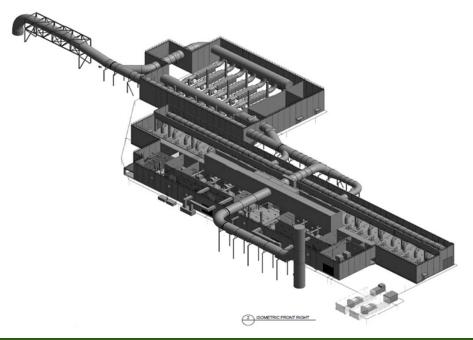




Capital Projects

New Permanent Ventilation System

- New safety significant confinement system connected to the existing exhaust shaft through a salt reduction facility and then to a new Filter Building with HEPA filters and exhaust fans
 - ➤ 100% Design Complete
 - CD 2/3 is expected in March 2018
 - > CD 4 March 2021



Capital Projects

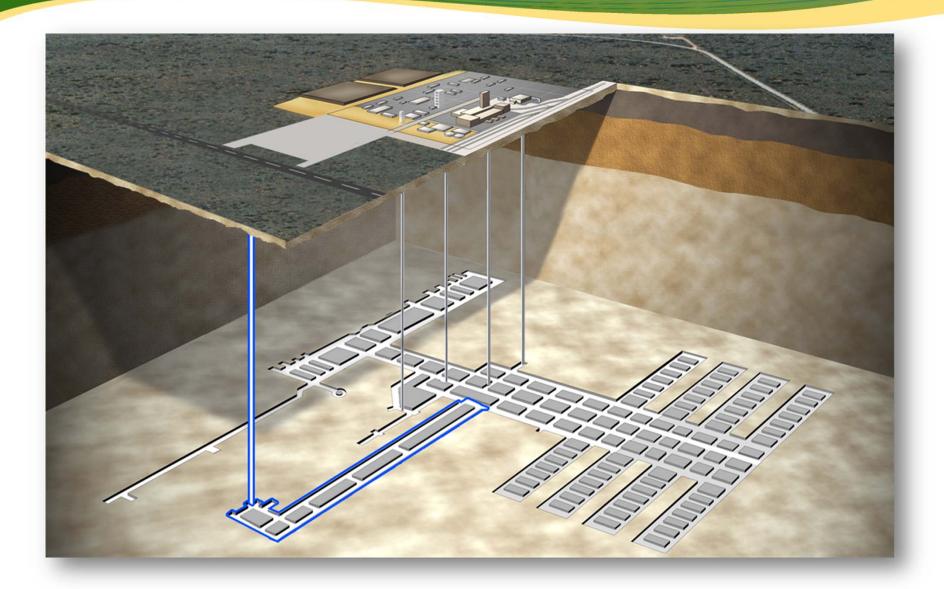
Permanent Ventilation System

- Geotechnical core drilling to 2,300 ft. complete
- 90% Design Complete
- Using top-down drilling method
- Critical Decision 2/3 expected Spring 2018
- CD 4 forecast Spring 2021





Future Expansion



Shipping Sites

- Shipments through 11/13/17
 - Idaho Site 70
 - Savannah River Site 9
 - Waste Control Specialists 15
 - Oak Ridge National Laboratory 13
 - Los Alamos National Laboratory -1
 - EM LANL Future



- Additional Sites in the out-years:
 - Lawrence Livermore National Laboratory
 - Sandia National Laboratory
 - Argonne National Laboratory

Out-Year Projected Shipments

SHIPMENT PLANNING ASSUMPTION (FY18 – FY23)

