



U.S. DEPARTMENT OF
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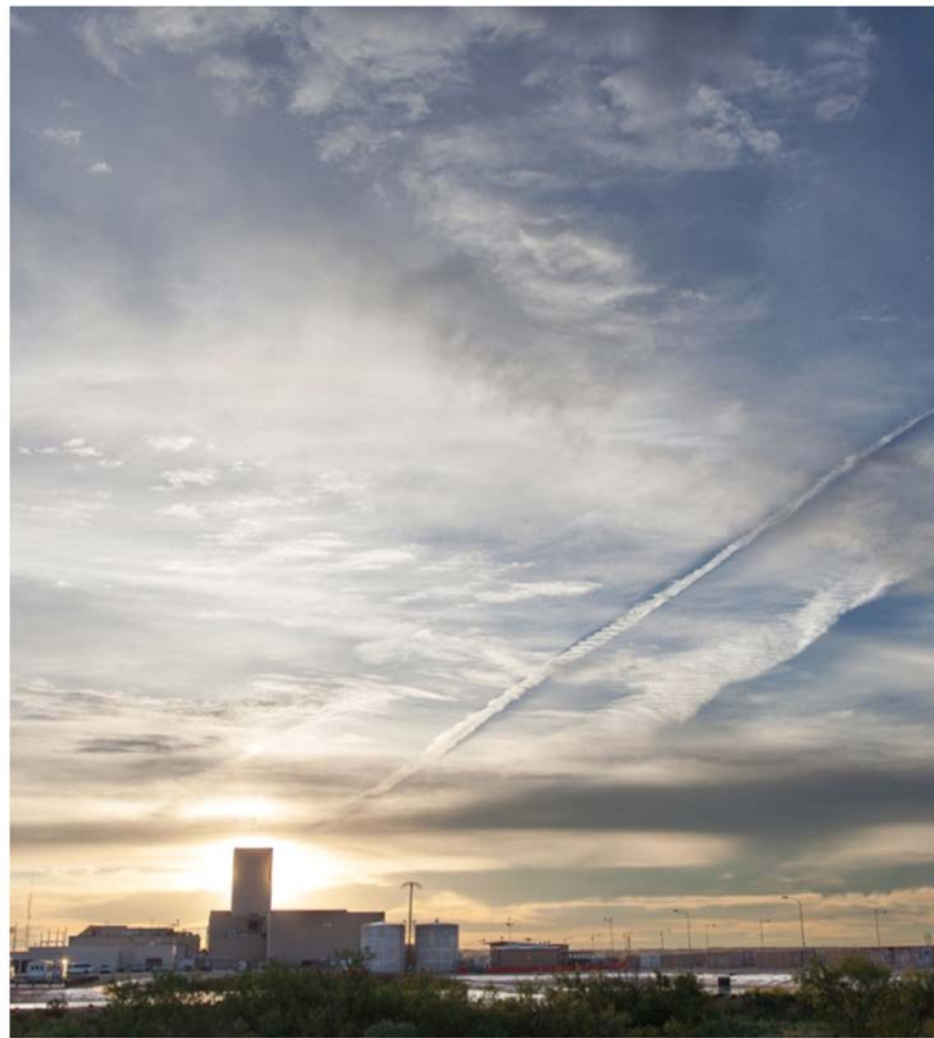
OFFICE OF
ENVIRONMENTAL
MANAGEMENT

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**





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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

A white semi-truck with two large white tanks labeled '181' and '10' is shown in a desert landscape at sunset. The truck is a white cab with 'CAST' and 'C39' on the side.

WHAT A SUCCESS!

**NOW TAKING
OAK RIDGE SHIPMENTS**

FOR THE FIRST TIME 2012, OAK RIDGE IS AGAIN SHIPPING TRANSURANIC WASTE TO THE WASTE ISOLATION PILOT PLANT FOR PERMANENT DISPOSAL. THE FIRST SHIPMENT ARRIVED AT THE WIPP SITE ON THURSDAY AUG. 10.

A HUGE "Thank You!!!" to the entire WIPP Team for all the hard work everyone put in to make an important shipment happen for Oak Ridge. There is no way this would have happened without everyone's support.
~Jeff Carswell, Deputy Manager CBFO

It takes a TEAM to support these achievements, I appreciate all of your hard work in making this happen.
~Bruce Covert, NWP President & Project Manager

This Team Exemplifies Our Core Values & Expectations:
INTEGRITY - LEAD BY EXAMPLE
OWNERSHIP - OWN YOUR WORK
TEAMWORK - HELP EACH OTHER ACHIEVE WIPP GOALS

The WIPP logo is a circular emblem with 'WASTE ISOLATION PILOT PLANT' around the top, 'WIPP' in the center, and 'DOE • LANL • ETC. • USA' around the bottom.

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

PROJECTED SHIPMENTS (August 2017 - August 2018)

SITE	SHIPMENTS
IDAHO	170
LOS ALAMOS	20
OAK RIDGE	40
SAVANNAH RIVER	10
WASTE CONTROL SPECIALISTS	18
TOTAL	258

Waste Disposal in Room 5, Panel 7

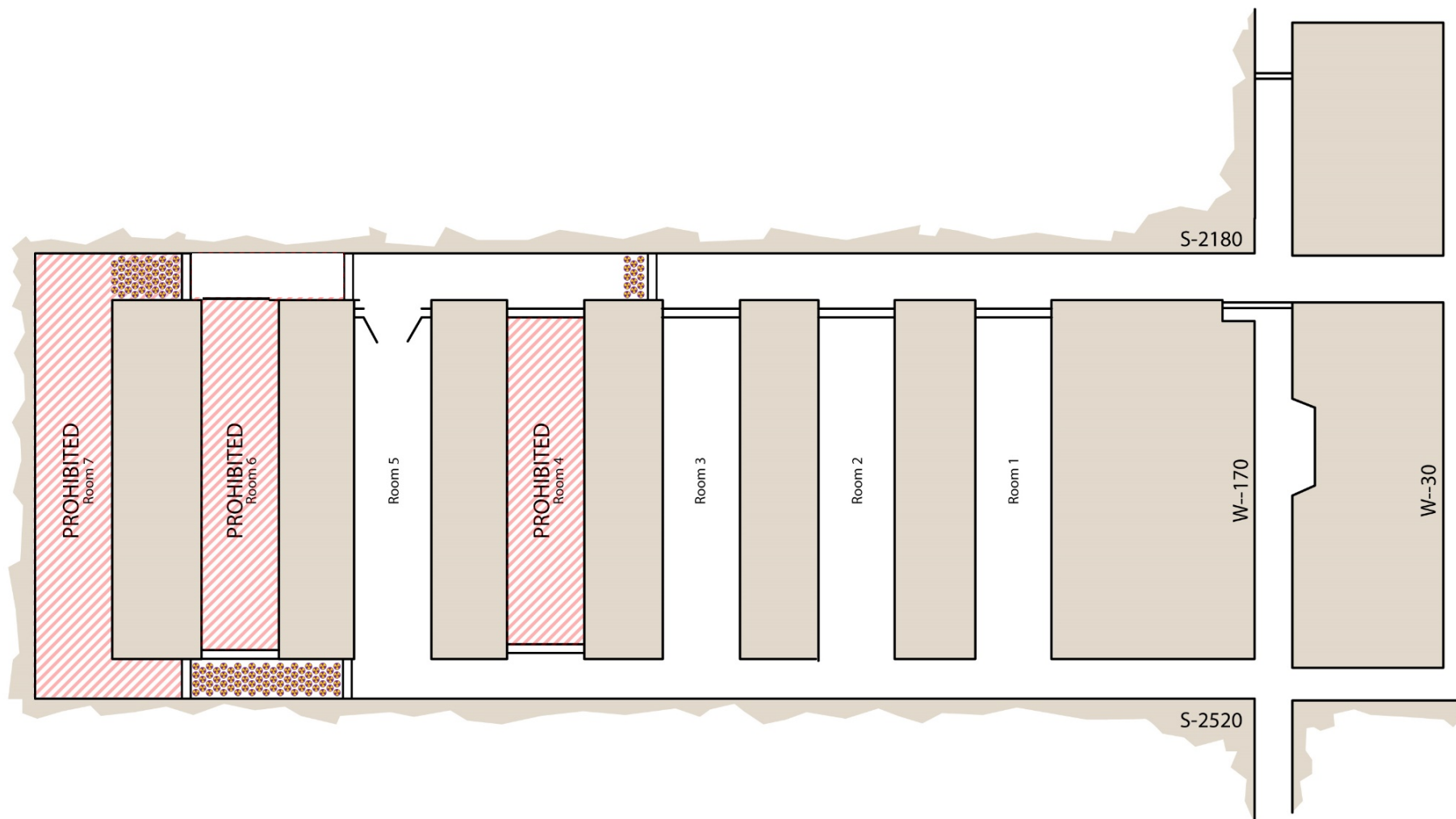
- Room 5 has a 7 bolt pattern in the roof and the floor has been completed for waste emplacement and disposal activities
- Due to the roof fall in Room 4 last year, waste is actually starting to be emplaced in the exhaust drift S2180 outside of Room 4, moving back to Room 5
- Waste emplacement in Room 5 started September 2017



Moving into Room 5, Panel 7

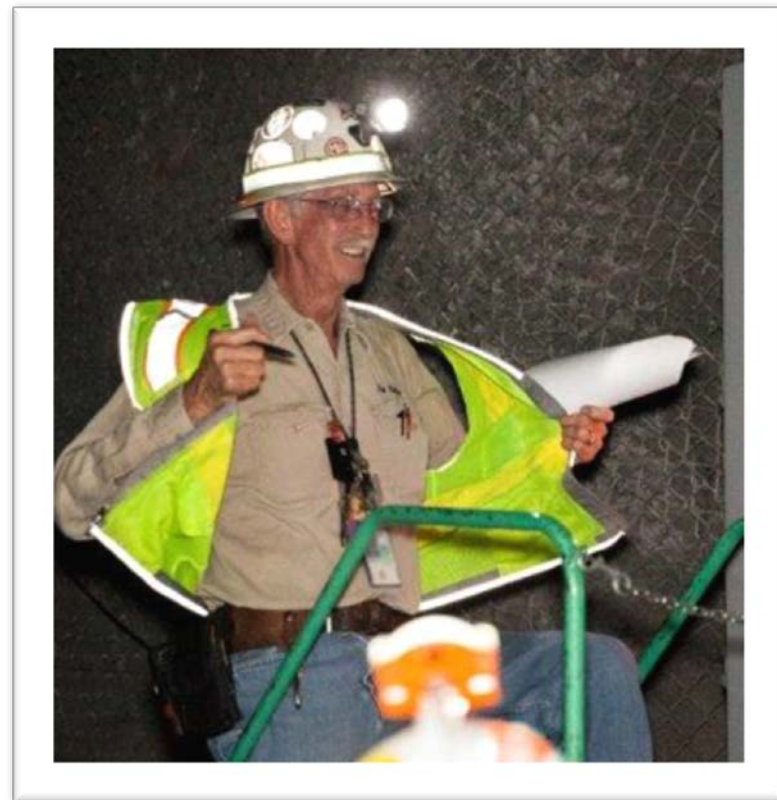


PANEL 7



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 2nd
- All other equipment needed for mining is ready to go



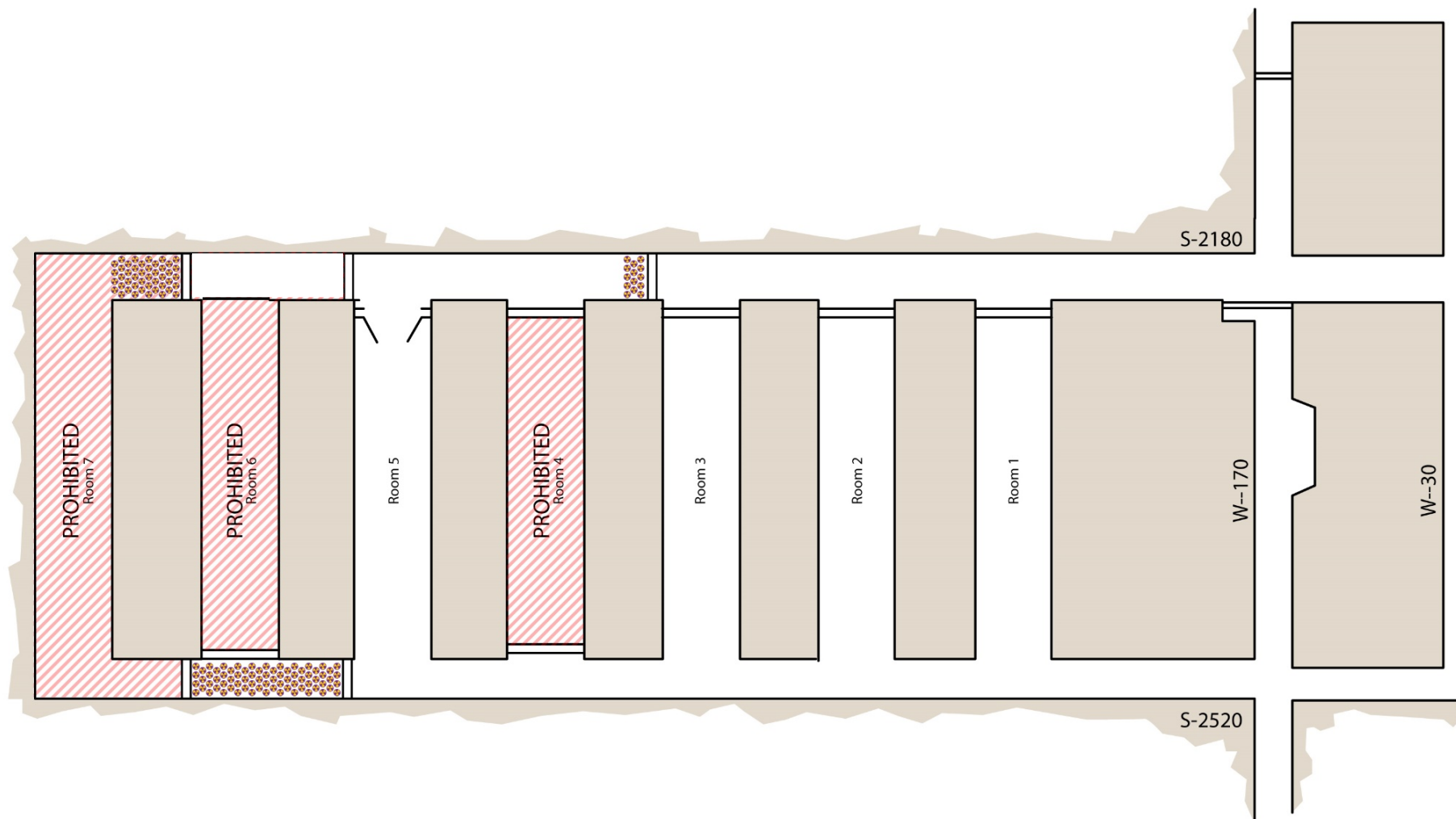
Rock Fall Predicted

- 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





PANEL 7



FY 18 Infrastructure Recapitalization

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	\$8,000,000
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	\$1,390,000
Electrical Substations Replacements – potential loss of functions supporting mission critical systems	\$3,000,000
Lightning Array Design upgrade & new construction	\$1,000,000
Safety Significant Fire Suppression System (Waste Handling Building 411 Fire System) – replaces degraded noncompliant fire system protecting Transuranic Waste	\$4,000,000
Fire Water Loop, Phase 2	\$8,000,000
WIPP Total	\$25,390,000



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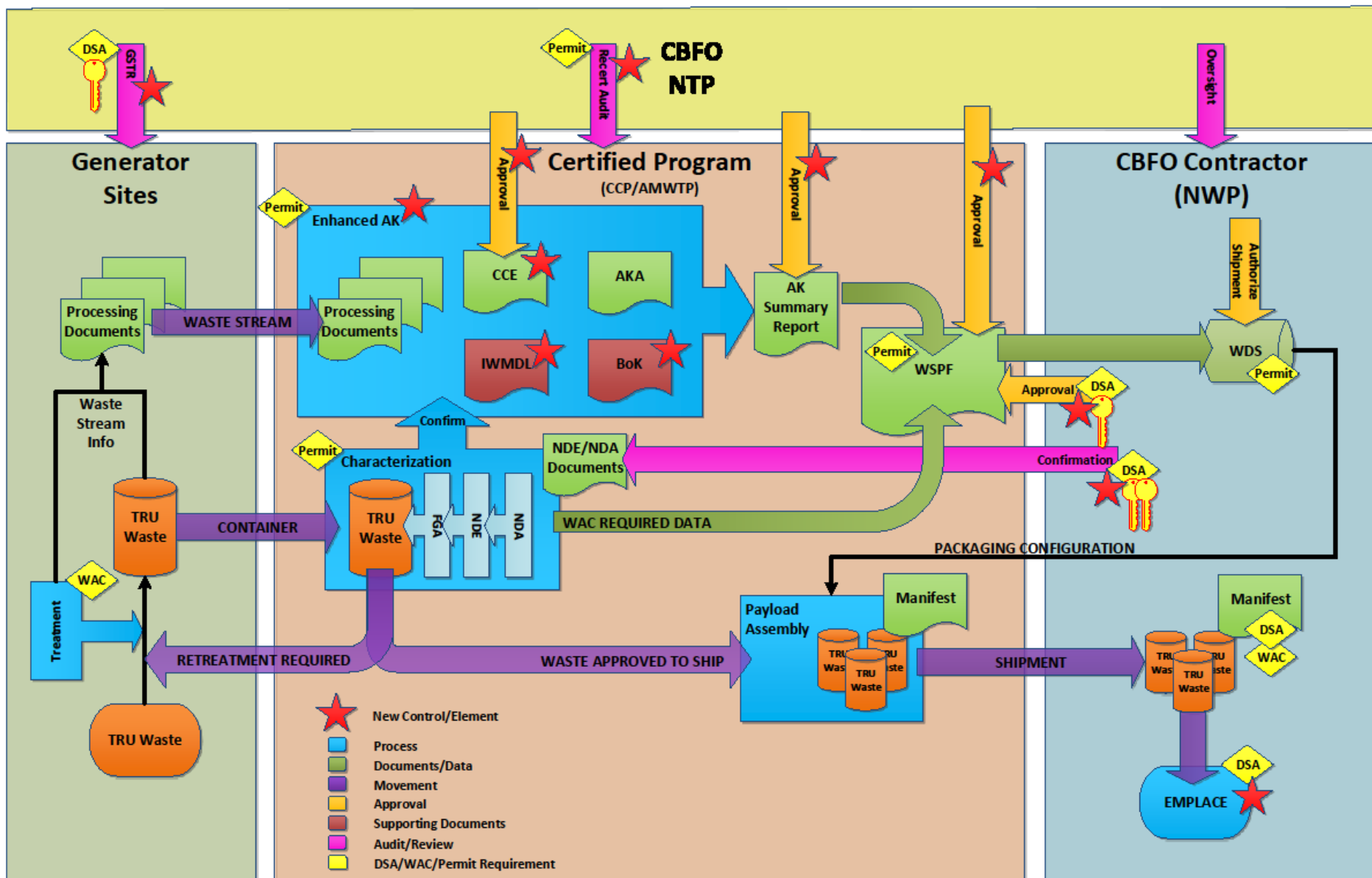
Understanding TRU Waste Characterization & Certification

Mark Percy, NWP National TRU Program Manager



An AECOM-led partnership with BWXT and AREVA

WIPP Waste Certification Process





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EPA Recertification

Paul Shoemaker, SNL Carlsbad Manager



**Sandia
National
Laboratories**

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





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Exercise of Contract Option

Carlsbad Field Office Contracting Officer
Suzanne Hunt



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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



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CBFO Manager's Update

Todd Shrader

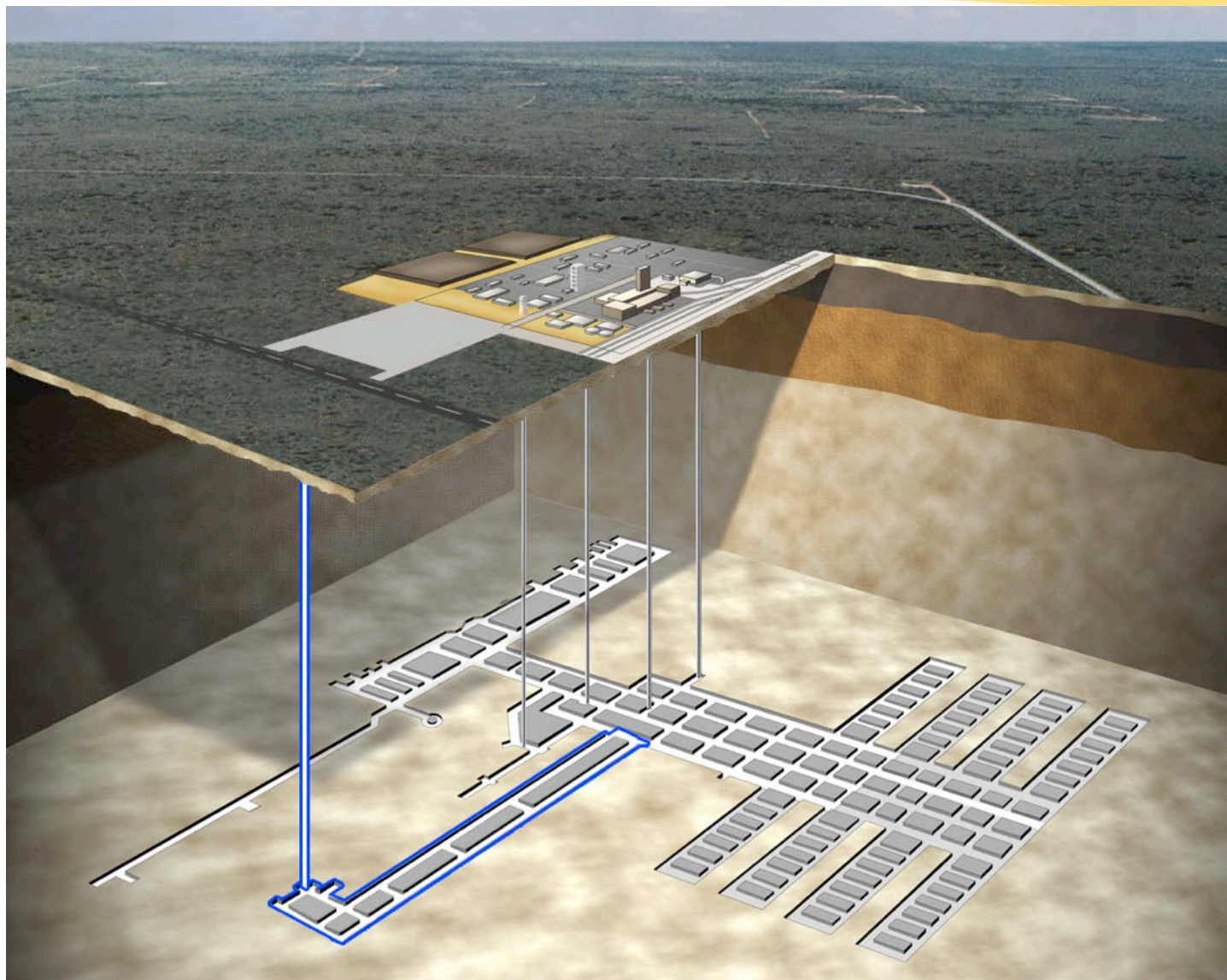


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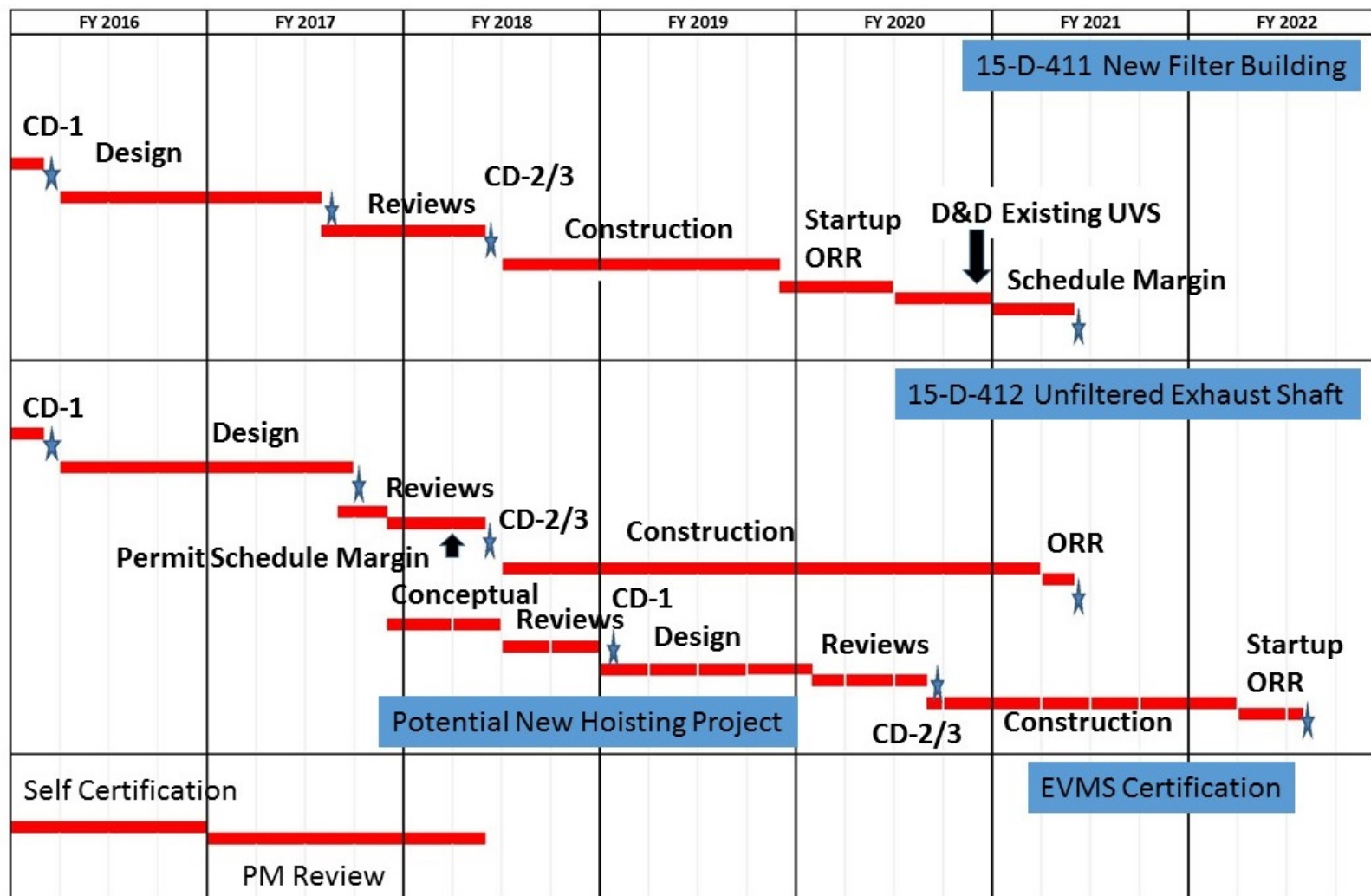
Explanation of Recovery Funding

Major Activity	Fiscal Year (FY) 2014 Actual Cost	FY 2015 Actual Cost	FY 2016 Actual Cost	FY 2017 to Date (Oct-Apr)	FY 2017 Planned (May-Sep)	FY 2014 – FY 2017 Total Recovery Costs
PBS CB-0080, Operate Facility						
Facility Program Enhancements	5,270	31,030	11,891	528	0	48,719
Documented Safety Analysis	391	4,953	1,909	5	0	7,254
Underground Habitability/Operations	5,974	38,243	14,467	91	1,308	59,901
Facility Upgrades	45	2,968	165	0	0	3,178
Waste Placement	1	724	1,792	117	0	2,634
Readiness for Operations	0	73	45	78	0	196
Program Management Support	3,114	14,412	2,900	267	0	20,693
Funds Management (FM)-Overhead	0	0	0	0	0	0
FM-Contractor Fee	0	5,992	0	0	0	5,992
Subtotal PBS CB-0080, Operate Facility	14,795	98,395	33,169	904	1,308	148,571
PBS CB-0082, WIPP Recovery Activities						
Facility Program Enhancements	0	0	47,365	8,644	1,775	57,784
Documented Safety Analysis	0	0	1,698	543	0	2,241
Underground Habitability/Operations	0	0	10,324	4,687	42	15,053
Facility Upgrades	0	0	0	0	0	0
Waste Placement	0	0	192	1,227	265	1,300
Readiness for Operations	0	0	2,955	1,285	0	4,240
Program Management Support	0	0	13,754	2,927	0	16,681
FM-Overhead	0	0	0	0	0	0
FM-Contractor Fee	0	0	0	0	0	0
Subtotal PBS CB-0082, WIPP Recovery Activities	0	0	75,904	19,313	2,082	97,299
Total WIPP Recovery	14,795	98,395	109,073	20,217	3,390	245,870

New Underground Filtration System / Shaft



New Underground Filtration System / Shaft



FY 2018 Funding

- 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?

