



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

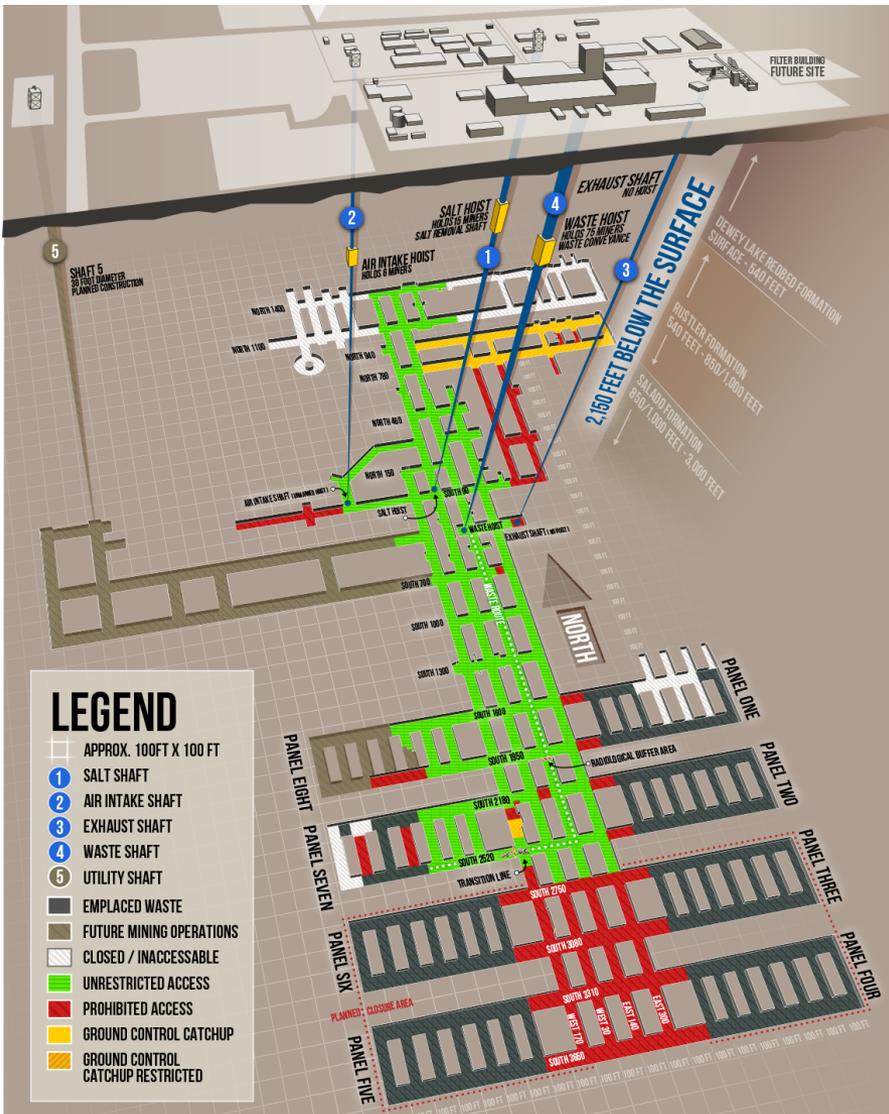
Waste Isolation Pilot Plant (WIPP)

Progress and the Future

Environmental Management Advisory Board

April 2019

Todd Shrader
Manager
Carlsbad Field Office

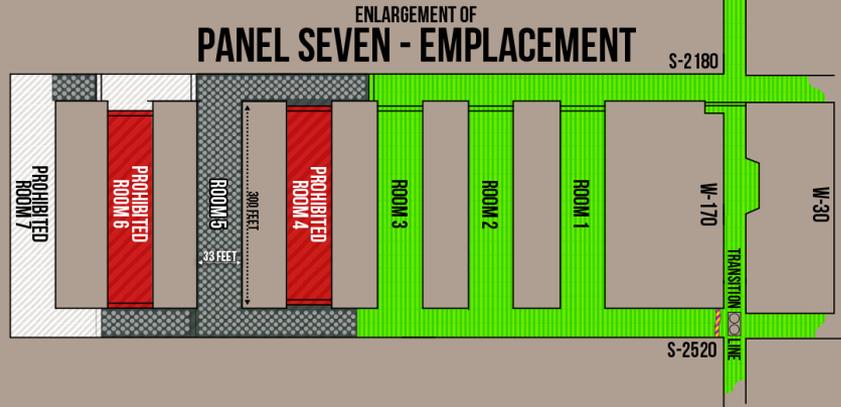
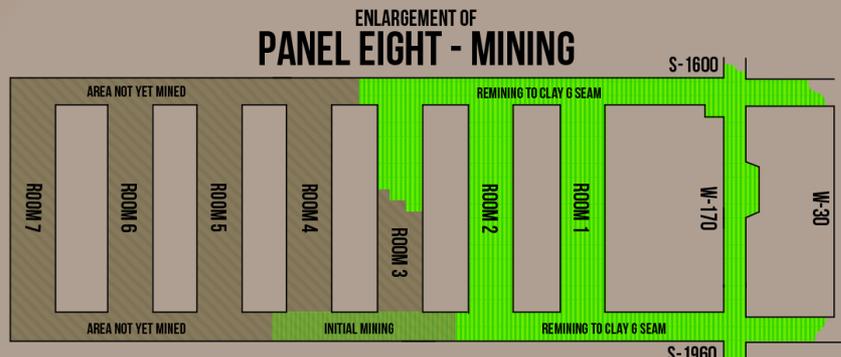


LEGEND

- APPROX. 100FT X 100 FT
- ① SALT SHAFT
- ② AIR INTAKE SHAFT
- ③ EXHAUST SHAFT
- ④ WASTE SHAFT
- ⑤ UTILITY SHAFT
- EMPLACED WASTE
- FUTURE MINING OPERATIONS
- CLOSED / INACCESSIBLE
- UNRESTRICTED ACCESS
- PROHIBITED ACCESS
- GROUND CONTROL CATCHUP
- GROUND CONTROL CATCHUP RESTRICTED

WASTE ISOLATION PILOT PLANT

SERVING OUR NATION FOR FUTURE GENERATIONS. SAFELY DISPOSING THE NATION'S TRANSURANIC WASTE



Safety Significant Confinement Ventilation System

7 Dedusters and Demisters
5 online
1 in standby
1 in maintenance

22 Safety Significant HEPA filter housings
20 online
1 in standby
1 in maintenance

New Filter Building
5,160 m² (55,553 ft²)

Exhaust Stack
38m (125 ft)

2 – 3,000 KW Standby Diesel Generators

6 Fans (housings, motors, Variable frequency drives)
4 online
1 in standby
1 in maintenance

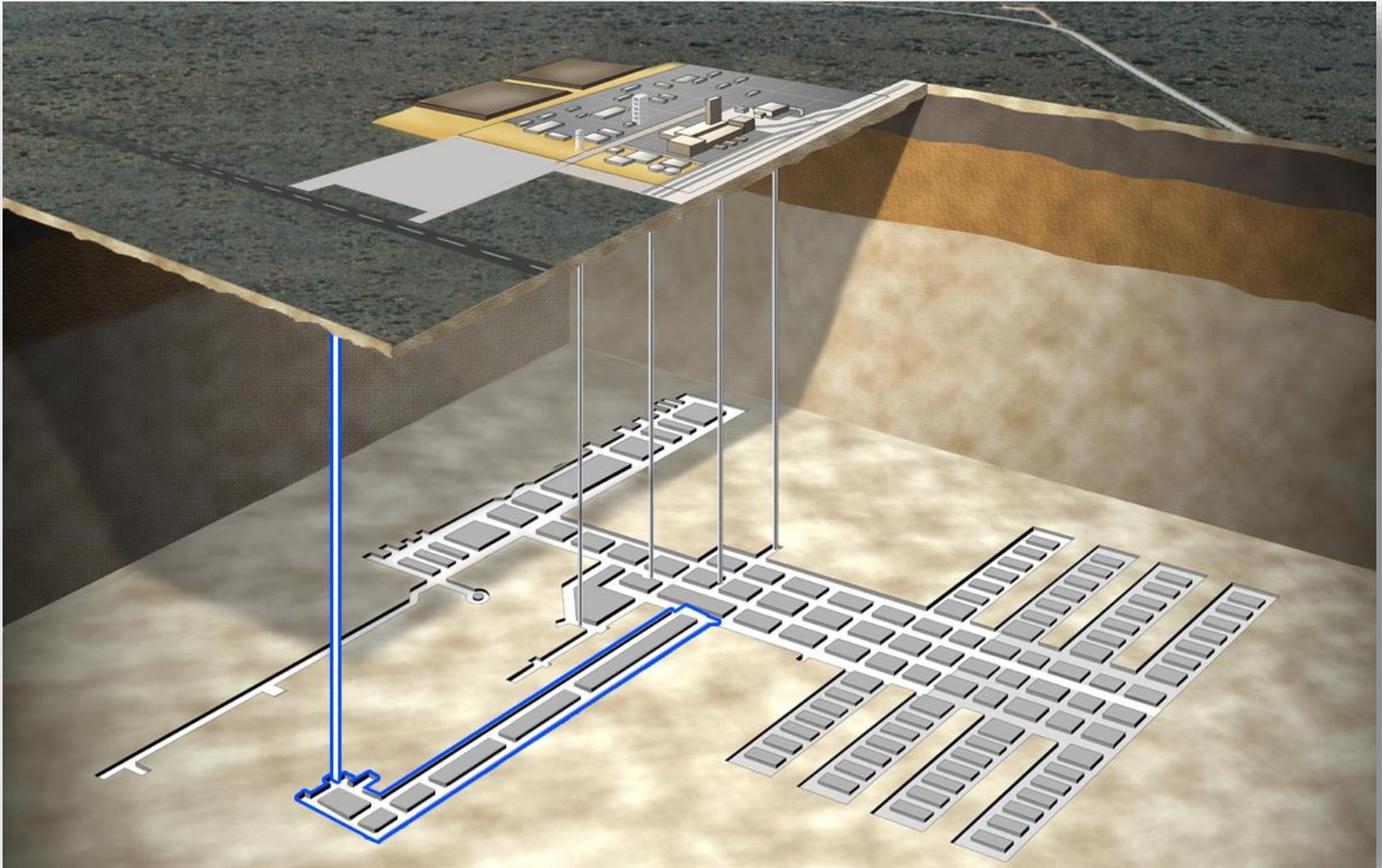
Total Airflow – 15,290 m³ / min
(540,000 ft³ / min)

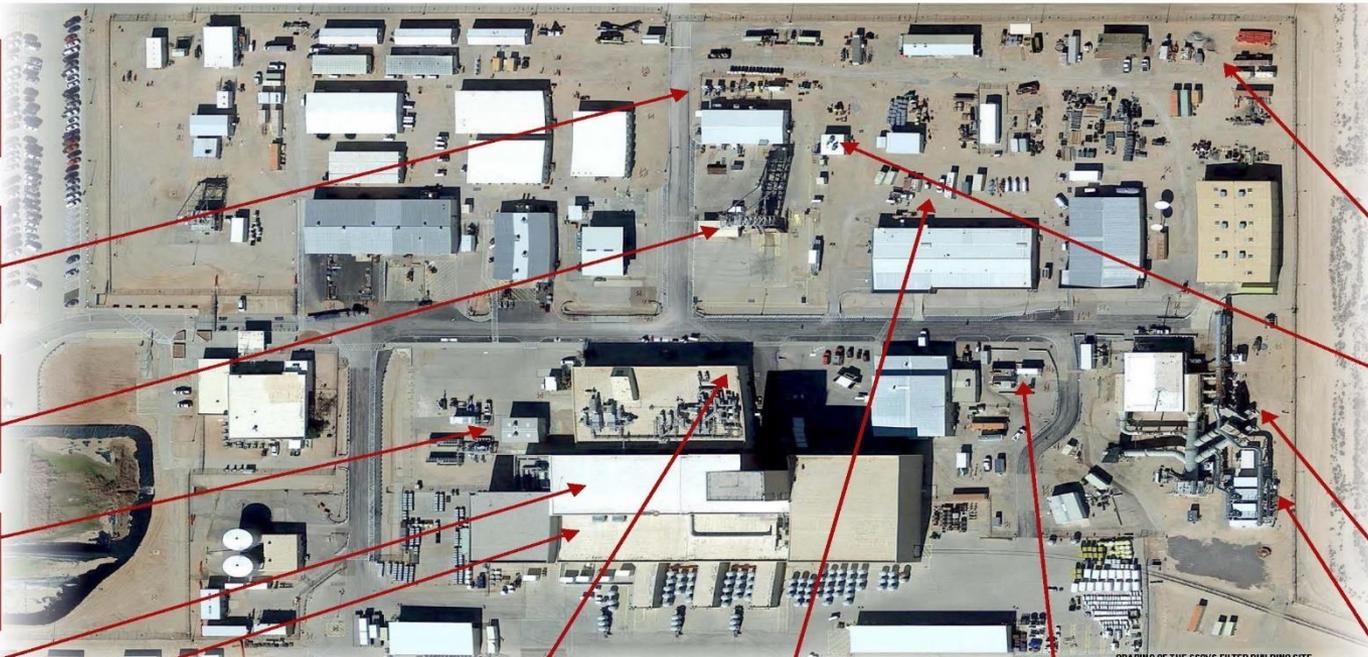
Salt Reduction Building
2,319 m²
(24,966 ft²)

Existing Exhaust Shaft



Utility Shaft Project





Shipments to WIPP resumed in April 2017

- Currently averaging 8-10 shipments per week
- Increased airflow from permanent ventilation systems and completion of Panel 7 emplacements will allow higher emplacement and shipping rates in the future

Site	Shipments as of 04/22/2019
INL	401
SRS	10
WCS	31
ORNL	72
LANL	9
ANL	2
Total	525





TRUPACT-III

WIPP has a nationally recognized transportation safety program

Over 14 million miles



TRUPACT-II



HalfPACT



RH-72B

12,370 + shipments
received at WIPP to date in Nuclear
Regulatory Commission-certified packages