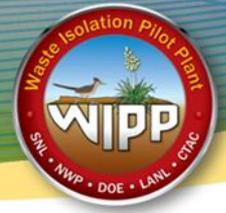# Waste Isolation Pilot Plant Update

J.R. Stroble, CBFO
For the
Northern New Mexico Citizens Advisory Board

January 27, 2016

Corrective Actions

The DOE TRU Waste Complex has implemented several changes since the 2014 radiological release incident at WIPP.   Based on the Accident Investigation Report and subsequent evaluations, DOE has implemented several Corrective Actions that will prevent such incidents from occurring throughout the Life Cycle of WIPP.

Five organizations have implemented changes:
1. **EM-HQ**
2. **EM-LA and NA-LA**
3. **LANS**
4. **CBFO**
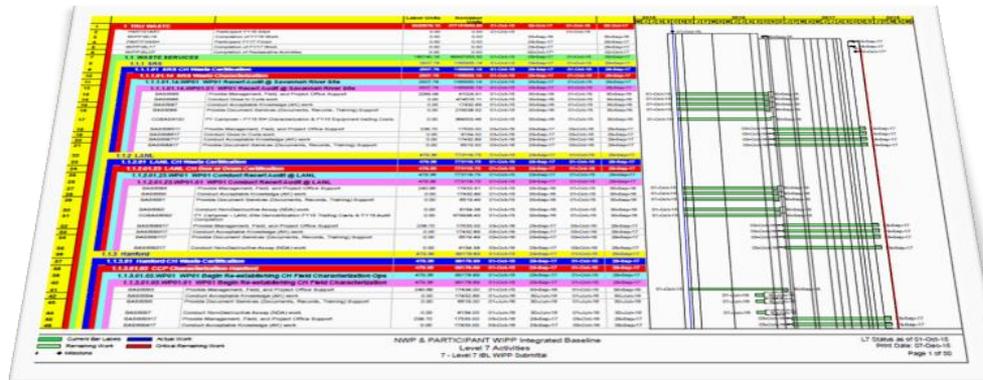5. **NWP**

Road to Recovery:

- **New Baseline Schedule and Budget**

- **Install and Test Interim and Supplemental Ventilation Systems**

- **Perform Procedures Without Actual Waste and Continue Training**

- **Complete Operational Readiness Reviews**
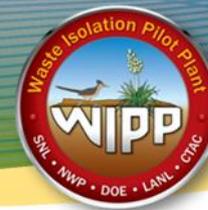
- **Resume waste emplacement**

New Integrated Performance Measurement Baseline (PMB) Approved by CBFO in January 2016
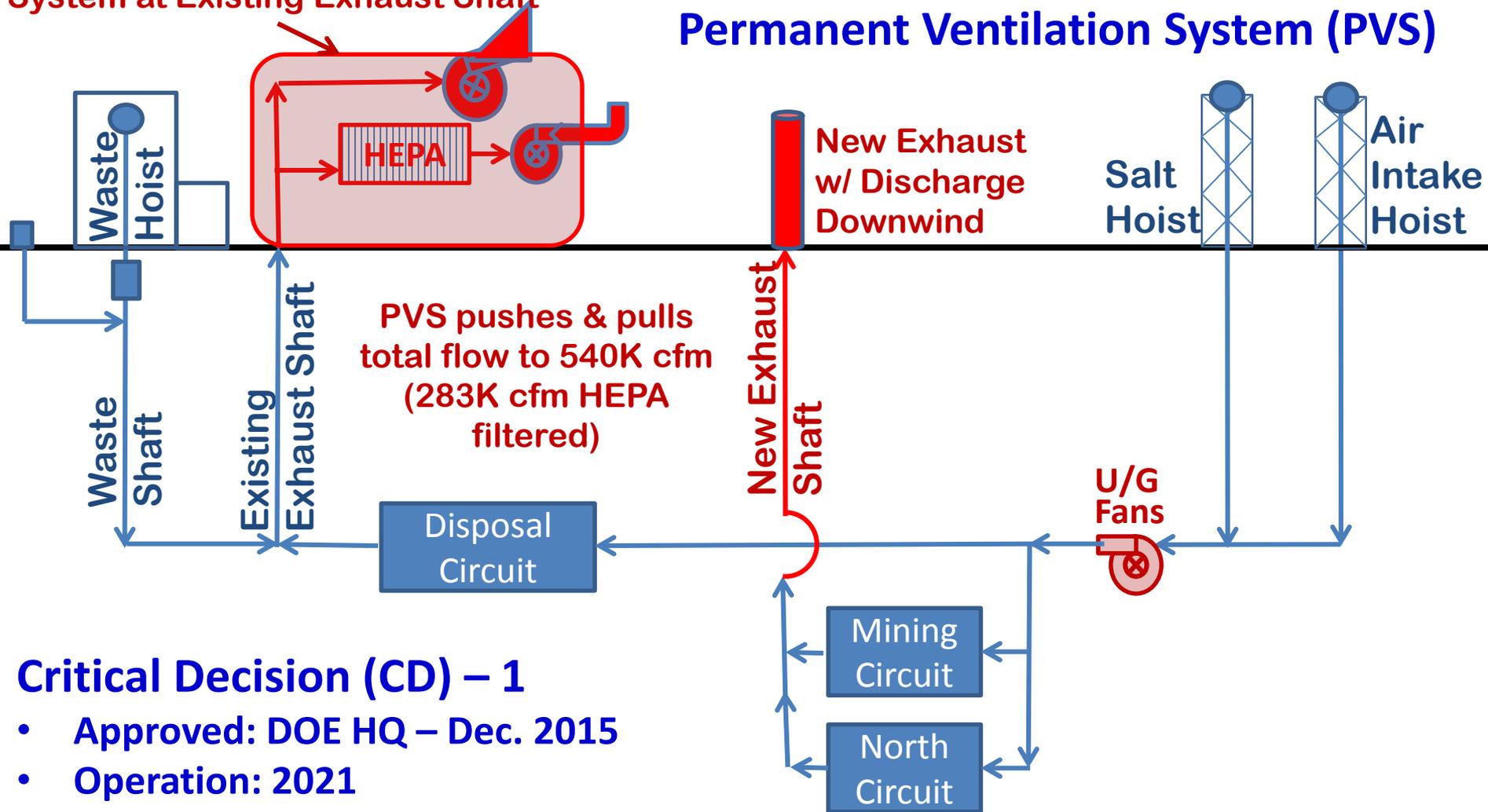
- PMB integrates recovery activities with base activities at the site, including capital asset projects.

- Identifies critical path activities

- Projects date for authorization to proceed with waste emplacement in December 2016

New Safety Significant Filtration System at Existing Exhaust Shaft

Permanent Ventilation System (PVS)

HEPA

Waste Hoist

Salt Hoist

Air Intake Hoist

New Exhaust w/ Discharge Downwind

PVS pushes & pulls total flow to 540K cfm (283K cfm HEPA filtered)

Waste Shaft

Existing Exhaust Shaft

New Exhaust Shaft

U/G Fans

Disposal Circuit

Mining Circuit

North Circuit

Critical Decision (CD) – 1
- **Approved: DOE HQ – Dec. 2015**
- **Operation: 2021**

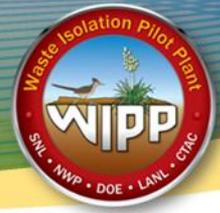## Interim and Supplemental Ventilation Systems

IVS
Required to resume waste disposal operations March/April 2016

SVS
Plans are to use SVS during mining operations, following waste emplacement commencement

New Documented Safety Analysis (DSA)

- New DOE Standard for DSA's
- Approximately 120 SMP procedures revised
- Implementation and training

Contractor and DOE Operational Readiness Reviews

– A performance-based examination of facilities, equipment, personnel and procedures

– Ensure WIPP will be operated safely – within approved safety envelope

- QUESTIONS?