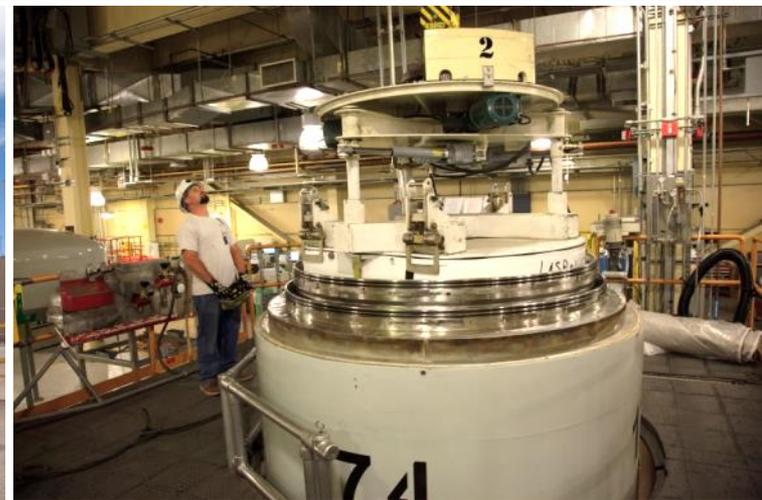




## Resuming Operations at WIPP and the National TRU Program



Phil Breidenbach, NWP President and Project Manager  
September 30, 2015

Nuclear & Environment



# Recovery Progress Status

- Ground control
- Corrective actions
- Documented safety analysis
- Contamination mitigation
- System enhancements
- Culture change



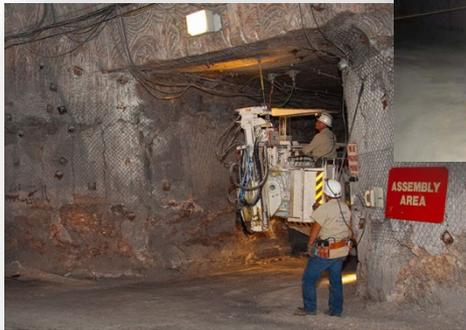
**CORE VALUES & EXPECTATIONS**

- 01 INTEGRITY**
  - a. Tell the truth, all the time
  - b. Meet your commitments
- 02 SAFETY**
  - a. Take your safety & the safety of your coworkers personally — 24/7
  - b. Conduct all activities in a disciplined manner
  - c. Use time out or stop work when things aren't right
  - d. Support safety programs and initiatives
- 03 ACCOUNTABILITY**
  - a. Admit & own your mistakes
  - b. Take responsibility for your actions
  - c. Hold yourself & others accountable
  - d. Give your best every day
- 04 TEAMWORK**
  - a. Help each other achieve all project goals
  - b. Show flexibility in meeting goals & commitments
  - c. Recognize coworkers for exceptional performance
- 05 LEADERSHIP**
  - a. Actively listen
  - b. Be open to the fact that you may be wrong
  - c. Express opinions without attacking others
  - d. Treat others as you would like to be treated
- 06 CONTINUOUS IMPROVEMENT**
  - a. Learn from mistakes & successes — yours & others
  - b. Demonstrate a questioning attitude
  - c. Eliminate non-value added tasks
  - d. Have a bias for action to fix problems



The WIPP logo is circular with a red border. Inside, it says "WIPP" in large white letters. Above it, in smaller text, is "Waste Isolation Pilot Plant". Below it, in even smaller text, is "1982 • 2002 • 2010". The logo is set against a background of a landscape with a field and a building.

# Accomplishments



- **Room/Panel closure**
  - Completed in June
- **Annual emergency response exercise**
  - Early indications of great improvement
- **Radiological risk reduction – no injuries or uptakes**
- **Ground control**
  - More than 4,100 bolts
- **Use of corporate reach back for emergency response and recovery**
- **Rebuilding trust and confidence with stakeholders**

# Lessons Learned

- **Fire and radiological events**
  - Success leads to complacency
    - Radiological Controls
    - Emergency Preparedness
  - Importance of strong safety culture
    - Production over maintenance
    - Unclear standards
    - Nuclear vs mining culture



# Lessons Learned

- **Recovery**
  - Team approach workshops (DNFSB, DOE, NWP)
  - Importance of alignment on end state goal
  - Clearly communicating funding needs
  - Subcontractors ability to do “nuclear” work



# Path Forward

- **Resume waste emplacement**
  - Develop and implement Documented Safety Analysis
  - Complete all prestart Accident Investigation Board Corrective Actions and Safety Management Program Corrective Actions
  - Make all prestart modifications
  - Establish nuclear culture and conduct of operations standards (procedures and training)
  - Cold operations
  - Readiness Assessment and Operational Readiness Review
- **Understanding risks and assumptions**
  - Funding and continuing resolution impacts
- **National TRU Program – being ready to fill the pipeline**
  - Generator/program certification

