# CARLSBAD TOWN HALL MEETING

U.S. Department of Energy Waste Isolation Pilot Plant (WIPP)

March 27, 2014





# AGENDA ITEMS

Joe Franco CBFO Manager

## **Meeting Agenda**

- WIPP Status presentations
  - Tammy Reynolds
  - Fran Williams
  - Joe Franco
- Audience Questions
  - One question at a time please
- Final Remarks / Close

# WIPP RECOVERY PLAN ACTIVITIES

Tammy Reynolds NWP Recovery Manager

## **WIPP Recovery Plan Activities**

- Install a Continuous Air Monitor (CAM) at Station B
  - Provides real time radiological information on exhaust stack air
  - Installation to complete this week
  - One week run time to validate operation and procedures
  - Will be utilized to trigger protective actions
- Perform venting of the TP-II and TP-III containers to meet transportation requirements
  - First container vented on Tuesday, March 26th
  - Remaining containers being vented to support the 60 day requirement





## WIPP Recovery Plan Activities (continued)

### Re-entry activities

- Phase 1: Air Intake and Salt Shaft Unmanned Entries Complete
  - Monitor for air and radiological hazards
  - Establishes the shafts safe to transport people
  - No hazards were identified







- Phase 2: Perform Mine Safety Compliance Inspections Complete
  - Personnel ride on top of the conveyance to inspect the shaft
  - Monitor for air and radiological hazards
  - No hazards were identified

## WIPP Recovery Plan Activities (continued)

### Re-entry activities

- Phase 3: Establish Operating Base in the Underground
  - Establish egress capability between the Salt and Air Intake Shafts
  - Survey area near salt shaft for habitability
  - Protective equipment Two pairs of protective clothing and a respirator
  - Establish operating base where personnel will transition from contamination area to a "clean" area
- Phase 4: Identify Scene of the Event
  - Survey from the operating base to panel 7 or panel 6
  - Protective equipment two pairs of protective clothing or plastic suit and breathing air system (BG-4) or equivalent





### Inspect Area and Establish Underground Operating Base





### Planned Routes to Scene of Event



## WIPP Recovery Plan Activities (continued)

#### Perform an in-service aerosol test of the ventilation system filter banks

- LANL personnel performing
- Smoke generator used to determine the efficiency of the filters
- Tests to be completed this week



#### Return of the Workforce to the WIPP Site

- Installation and operation of the Continuous Air Monitor (CAM) at Station B
- Successful completion of the In Service Aerosol Test of the Filter Banks

# **BIOASSAY SAMPLING**

Fran Williams NWP Expert Advisor

#### Bioassay for Internal Radioactive Contamination

*Bioassay* means the determination of kinds, quantities or concentrations, and, in some cases, the locations of radioactive material in the human body, whether by direct measurement (in vivo counting) or by analysis and evaluation of materials excreted or removed from the human body.

#### --Adapted from NRC 10 CFR 20.1003



Internal radioactive contamination suspected / possible

Common entry routes for internal radioactive contamination:

- Inhalation (breathing it in)
- Ingestion (swallowing it)
- Through an opening in the skin
- Absorption through the skin (not applicable to WIPP event)



# **CLOSING COMMENTS**

Joe Franco CBFO Manager