

# WIPP Nitrate Salt Bearing Waste Container Isolation Plan Implementation Update

March 17, 2015

## Panel 6 Initial Closure

### Access to Panel 6

#### a. Rollback

- Contamination Assessment—100% of the underground has been characterized for radiological contamination. Based upon this characterization, the north end of the underground starting at S-1950 with the exception of the E-300 is posted as a controlled area. The E-300 drift north of S-1950, the S-2180 drift, and Panel 7 are posted as high contaminated areas and airborne radioactive areas. In addition, all areas south of S-1950 are posted as contamination areas and airborne radioactivity areas.
- Fixing/Decontamination Activities—Decontamination activities, using a water sprayer, have been performed in the E-140 drift from S-1950 to S-2520 and the ribs and floor in the S-2520 drift from E-140 to W-170. A paint fixative was applied to the S-2180 overcast in the E-140 drift.
- These decontaminated areas and equipment are only for restricted use and will be controlled for radiological contamination purposes.

#### b. Ground Control Status

- Shaft/Hoist—Weekly inspections are being performed for the Air Intake Shaft, Salt, and Waste Hoists.
- Bolting—Bolting has been completed to the intersection of the S-2750 drift to the W-170 drift. A fan has been positioned and is operational near the W-170 drift and S-2750 drift intersection. Placement of the fan is needed in order to ventilate the S-2750 drift from W-170 drift toward the intake to Panel 6. Bolting efforts toward the intake Panel 6 resumed Monday, March 16, 2015.

#### c. Habitability

- Communication Systems—Operability tests have been performed for the

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**March 17, 2015**

underground mine phones and the public address system located in the access drifts to Panel 6.

- Self-Contained Self-Rescuers— Caches have been restocked in the drifts to Panel 6. Habitability activities have been completed in the underground in drifts E-140, W-30, and W-170 to provide access to Panel 6 to support Panel 6 initial closure activities.
- Eye Wash/First Aid Stations— Inspections in the accessible areas have been completed.

## **d. Drills, Training, Mockups**

- The Underground Response Drill was performed on March 11, 2015.

## **Equipment/Ventilation/Materials**

### **a. Electrical**

- Restoration of electrical switch stations in the underground north of S-1950 drift has been completed.

### **b. Ventilation**

- Air Flow—The underground ventilation system is currently operating in filtration mode using one 860 fan that supplies a nominal flow rate of 60,000 standard cubic feet per minute to the underground.

### **c. Stage Needed Materials in Underground**

- A portable fan, that will be used to support localized ventilation for Panel 6 initial closure activities west of the W-170 drift in the S-2750 access drift, is in place.

## **Document Preparation**

### **a. Work Planning**

- Status of work planning documents is being evaluated for work activities required for initial closure of Panel 6.

# **WIPP Nitrate Salt Bearing Waste Container Isolation Plan Implementation Update**

**March 17, 2015**

## **b. Safety Basis Documents**

- The safety basis document that supports safety basis authorization for Panel 6 initial closure and Panel 7, Room 7 interim closure has been approved.

## **Summary - Information Requests/Status**

NMED requested a finalized copy of the Waste Isolation Pilot Plant Decontamination Plan.