

WIPP Nitrate Salt Bearing Waste Container Isolation Plan Implementation Update

February 12, 2015

Panel 6 Initial Closure

Access to Panel 6

a. Rollback

- Contamination Assessment—Radiological contamination assessments of the underground are ongoing with all areas north of the S-1950 drift rolled back and posted as controlled areas with the exception of the exhaust drift.
- Fixing/Decontamination Activities—Decontamination of a man lift, scissor lift, roof bolter, and haul truck needed for Panel 6 initial closure activities has been completed. Maintenance for this equipment has been completed and returned to service. Decontamination activities, using a sprayer, are starting on the ribs in the E-140/S-3080 intersection and the W-30 drift between S-2180 and S-2560. 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 is ongoing in Panel 8 and other areas with ground control concerns. Priorities continue to include resumption of bolting and the initial closure of Panel 6. Bolting activities have transitioned to the contaminated areas of the E-140 drift. Bolting commenced at the S-1950 drift and has progressed southward toward the waste emplacement areas to approximately S-2665. Catch up bolting has been completed in over 50% of the underground, with over 1000 bolts installed. Backshift bolting operations are scheduled to begin on February 16, 2015 while bolting activities to the entrance side of Panel 6 are anticipated to be completed in March.

c. Habitability

- Communication Systems—Radiological rollback has allowed access to some mine phones and public address system locations in limited areas of the underground. As

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a result, operability tests have been performed for these underground mine phone and public address system locations. All mine phones, except those located south of the E-140/S-2520 drift, have been returned to service.

- Self-Contained Self-Rescuers— Caches have been restocked in the drifts to Panel 6. Habitability activities have been completed in the underground via 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 January 28, 2015.

Equipment/Ventilation/Materials

a. Electrical

- Ongoing visual checks are being performed to evaluate the extent of soot accumulation on electrical equipment. The equipment will be cleaned, if necessary. The underground electrical cleaning and restoration is about 70% complete.

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. A field verification assessment was completed on January 24, 2015, for supporting Panel 6 closure activities.

c. Stage Needed Materials in Underground

- Bulkheads for the initial closure of Panel 6 are fabricated and located in the underground with preventative maintenance being performed.
- The fans to be used for ventilation to support Panel 6 initial closure activities have been downloaded to the underground.

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Document Preparation

a. Work Planning

- Revisions to work planning documents to address Panel 6 initial closure activities are in progress.

b. Safety Basis Documents

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

Summary - Information Requests/Status

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

NMED requested a copy of the next revision to the WIPP Mine Ventilation Plan.