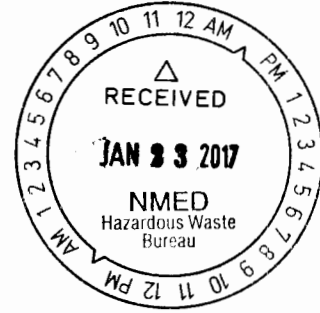




Department of Energy
 Carlsbad Field Office
 P. O. Box 3090
 Carlsbad, New Mexico 88221
JAN 23 2017

ENTERED



Mr. Val Cannon, Manager
 Quality Assurance
 Nuclear Waste Partnership LLC
 P.O. Box 2078
 Carlsbad, NM 88221-2078

Subject: Surveillance Report S-17-27, Panel 7 Waste Emplacement

Dear Mr. Cannon:

The Carlsbad Field Office (CBFO) conducted the subject surveillance on January 3 and 4, 2017, at the Waste Isolation Pilot Plant. Results of the surveillance are provided in the enclosed report. No deficiencies were noted.

If you have any questions or comments concerning the surveillance, please contact me at (575) 234-7491.

Sincerely,

Dennis S. Miehl
 Senior Quality Assurance Specialist

Enclosure

cc: w/enclosure

M. Brown, CBFO *ED
 M. Navarrete, CBFO ED
 E. Garza, CBFO ED
 J. Britain, NWP ED
 V. Ballew, NWP ED
 S. Punchios, NWP ED
 A. Boyea, NWP ED
 J. Walsh, EPA ED
 T. Peake, EPA ED
 J. Kieling, NMED ED

R. Maestas, NMED ED
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 P. Martinez, CTAC ED
 C. Castillo, CTAC ED
 K. Kirkes, CTAC ED
 D. Harvill, CTAC ED
 G. White, CTAC ED
 CBFO QA File
 CBFO M&RC

*ED denotes electronic distribution



CBFO SURVEILLANCE REPORT

Surveillance Number: S-17-24

Date of Surveillance: January 3 & 4, 2017

Surveillance Title: Panel 7 Waste Emplacement

Organization: Nuclear Waste Partnership LLC (NWP)

Surveillance Team:

Kirk Kirkes Surveillance Team Lead, Carlsbad Field Office (CBFO) Technical Assistance Contractor (CTAC)

Surveillance Scope:

The surveillance was conducted to evaluate the NWP initial waste emplacement activity in Panel 7 of the Waste Isolation Pilot Plant (WIPP).

Governing Documents/Requirements:

- WP 05-WH1025, Rev. 19-FR1, *CH Waste Downloading and Emplacement*
- WP 05-WH1810, Rev. 16, *Underground Transuranic Mixed Waste Disposal Area Inspections*, Attachment 1 – Preoperational Underground TRU Mixed Waste Disposal Area Inspections
- WP 05-WH1810, Rev. 16, *Underground Transuranic Mixed Waste Disposal Area Inspection*, Attachment 2 – Preoperational Waste Handling Mode Checklist
- EA04AD3001-2-0, Rev. 9-FR2, Facility TSR and Administrative Controls Checklist CH Waste Handling Mode
- EA04AD3001-4-0, Rev. 9-FR1, Return to Storage, Disposal, or Standby Mode Upon Completion of Waste Handling
- Radiation Work Permit (RWP) 16-0030
- Pre-job Briefing Form #04AD3030-1-0

Activities Evaluated:

On January 3, 2017, the surveillance team attended the pre-job briefing for the overall waste emplacement activities for the WIPP surface and underground. Roles and responsibilities, possible hazards, emergency actions, and watch bill personnel were addressed. On the morning of January 4, 2017, a pre-job meeting was conducted for those who would be in the underground performing waste emplacement activities. The RWP requirements were addressed as well as the specific operational requirements for Panel 7 waste emplacement. Upon completion of waste handling mode requirements, the emplacement team assembled at the underground transition area to don the necessary protective equipment for performing waste emplacement in the High Contaminated Area (HCA). Once the transporter arrived at the intersection of E140/S2520, the payload net was removed from the payload assemblies (two stacks consisting of two 7-packs in each stack) from shipment #SR140003 and a waste handling technician (WHT), using a forklift and push/pull attachment, removed one stack of two 7-packs from the pallet and

placed it on a staged facility pallet at the intersection of S2520/W170, which is the Radiological Buffer Area (RBA)/Contaminated Area (CA) boundary. The emplacement team, consisting of five WHTs, one waste handling engineer, and three radiation control technicians (RCTs), equipped with a forklift and push/pull device, entered the CA from the HCA side and removed the stack of two 7-packs from the facility pallet. The RCTs performed surveys of the forklift and attachment when entering the CA from the HCA to ensure effective contamination control. After the 7-packs were secured on the push/pull device, the WHT forklift operator and spotter commenced down the S2520 drift to the emplacement location. An exclusion zone was established by Waste Handling (lead and lag carts) until the waste arrived at the emplacement location at the entrance to Panel 7, room 6. The stack of two 7-packs was emplaced next to the south rib of S2520, identified as row 95. The emplacement team then returned to the RBA/CA boundary and performed the steps stated above for the second stack of two 7-packs. After the second stack was emplaced, the information on WP 05-WH1025 attachment 1, CH Downloading and Emplacement Data Sheet, was recorded. The RCTs also performed surveys of the emplaced waste for posting and boundary requirements.

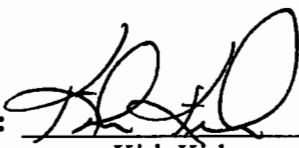
The surveillance team confirmed that the WHTs and RCTs involved in the Panel 7 waste emplacement activities were appropriately trained and qualified as required by procedural requirements.

Surveillance Results:

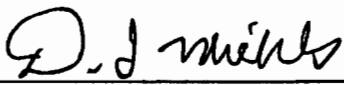
Overall, the surveillance team determined that the activities associated with Panel 7 waste emplacement were satisfactorily conducted in accordance with requirements contained in the referenced documents.

Deficiencies:

None.

Surveillance Team Leader:  _____ Date: 1/17/17
Kirk Kirkes

Assistant Manager/Office Director: _____ N/A Date: _____ N/A

CBFO QA Director Approval:  _____ Date: 1-23-17