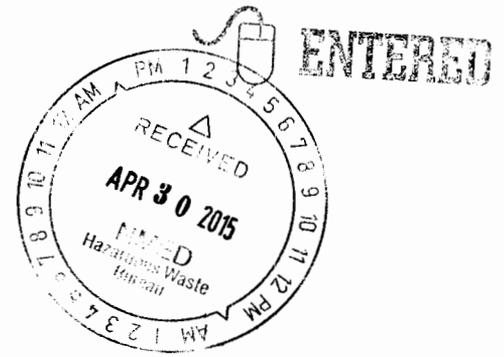




**Department of Energy**  
 Carlsbad Field Office  
 P. O. Box 3090  
 Carlsbad, New Mexico 88221



**APR 30 2015**

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

Subject: Surveillance Report S-15-48, Installation of Panel 6 Exhaust Substantial Barrier

Dear Mr. Cannon:

The Carlsbad Field Office conducted the subject surveillance April 21 – 28, 2015, 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) 234-7476.

Sincerely,

Michael R. Brown  
 Quality Assurance Director

Enclosure

cc:w/enclosure

D. Bryson, CBFO	*ED	L. Bender, EPA	ED
W. Mouser, CBFO	ED	J. Kieling, NMED	ED
D. Miehl, CBFO	ED	S. Holmes, NMED	ED
M. Navarrete, CBFO	ED	R. Maestas, NMED	ED
P. Breidenbach, NWP	ED	C. Smith, NMED	ED
J. Blankenhorn, NWP	ED	D. Winters, DNFSB	ED
J. Harris, NWP	ED	V. Daub, CTAC	ED
S. Kennedy, NWP	ED	B. Pace, CTAC	ED
W. MacMillan, NWP	ED	R. Allen, CTAC	ED
J. VandeKraats, NWP	ED	K. Kirkes, CTAC	ED
B. Kirby, NWP	ED	P. Martinez, CTAC	ED
D. Sjomeling, NWP	ED	D. Harvill, CTAC	ED
B. Allen, NWP	ED	G. White, CTAC	ED
S. Punchios, NWP	ED	CBFO QA File	
S. Escareno-Soto, NWP	ED	CBFO M&RC	
W. Ledford, NWP	ED	*ED denotes electronic distribution	
T. Peake, EPA	ED		



## CBFO SURVEILLANCE REPORT

**Surveillance Number:** S-15-48

**Date of Surveillance:** April 21-28, 2015

**Surveillance Title:** Installation of Panel 6 Exhaust Substantial Barrier

**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 evaluated the performance of work associated with installing the Panel 6 exhaust substantial barrier at the Waste Isolation Pilot Plant.

**Governing Documents/Requirements:**

- Work Order 1313149, Panel 6 Exhaust Substantial Barrier
- WP 04-AU1031, Fletcher Bolter
- WP 04-AU1032, Getman Scissor Lift
- WP 04-AU1033, Load Haul Dump
- MWO00534, Underground Entry/Exit
- Radiation Work Permit (RWP) #15-002, Task 6
- Pre-job Briefing form #EA04AD3030-1-0

**Activities Evaluated:**

The surveillance team evaluated the activities associated with the installation of the Panel 6 exhaust substantial barrier. Prior to work being performed each day, contingency staffing was verified because of the high impact work classification. A pre-job briefing was then conducted at the S1000 mining operations lunch room consisting of a review of the work package, task assignments for each individual, and the RWP requirements. Once the work area in S3080 was cleared by Underground Facility Services, the team moved to the S1950/E140 transition area to don their protective clothing and respirators. Each entry consisted of 1-to-2 radiation technicians, 1 cognizant engineer (CE), 1 fire watch, and a minimum of 2 operators. Pre-operations checks were then performed on selected equipment that included the Fletcher Bolter (which had to be moved out of the work area), the Getman Scissor Lift, and the Load Haul Dump (LHD).

The substantial barrier installation started with using the Getman Scissor Lift to unfasten the room closure chain-link and brattice from the mine floor and ribs and rolling them up to allow the LHD enough clearance to place run of mine salt against the waste face. The CE marked the waste face 7.5 feet from the floor and 10 feet from the waste on the ribs to identify run of mine salt dimensions. Nuclear Waste Partnership LLC (NWP) Quality

Assurance (QA) then entered the barrier location and verified the dimensions and markings per the work package (witness point). Approximately 12-14 loads of loose salt were then hauled in by the LHD and placed against the waste face to meet the marked dimensions in accordance with the work package. NWP QA again entered the barrier location and verified the run of mine salt was stacked high and long enough to meet the work package requirements. This was annotated on the work package by another witness point. The Getman Scissor Lift was again used to lower the chain-link and brattice to the mine floor. The LHD brought two more loads of run of mine salt to place on top of the chain-link and brattice along the slope of the substantial barrier. The chain-link and brattice was then secured to the ribs using a Hilti gun.

Equipment qualifications and classroom training requirements were verified for the operators performing the work.

Continuous contamination and radiation control activities by Radcon were observed during the substantial barrier installation and when assisting personnel in donning and doffing protective clothing at the transition line.

**Surveillance Results:**

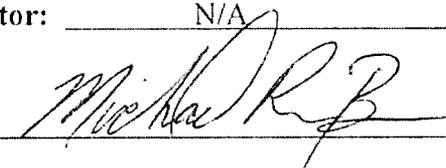
Overall, the surveillance team determined that the activities associated with the installation of the Panel 6 exhaust substantial barrier were satisfactorily conducted and implemented in accordance with the work requirements.

**Deficiencies:**

NONE

Surveillance Team Leader:  \_\_\_\_\_ Date: 4/29/15  
Kirk Kirkes

Assistant Manager/Office Director: N/A \_\_\_\_\_ Date: N/A

CBFO QA Director Approval:  \_\_\_\_\_ Date: 4/30/15