



Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Thursday, June 04, 2015 1:51 PM
To: Flynn, Ryan, NMENV; Kendall, Jeff, NMENV; Roberts, Kathryn, NMENV
Cc: Tongate, Butch, NMENV; Kieling, John, NMENV; Cobrain, Dave, NMENV; Maestas, Ricardo, NMENV; Holmes, Steve, NMENV; Smith, Coleman, NMENV; Pullen, Steve, NMENV; Dale, Leslie, NMENV; Briley, Siona, NMENV; Hall, Timothy, NMENV; Hower, Jennifer, NMENV; Allen, Pam, NMENV; Lauer, Gregory, NMENV; Turner, Jill, NMENV; LucasKamat, Susan, NMENV; Simon, Martin, NMENV; Majure, Allison, NMENV
Subject: FW: Summary of Panel 6 Initial Closure and Closure of Room 7, Panel 7
Attachments: Initial Closure of Panel 6 and Closure of Room 7 in Panel 7_May_31_15_gtb.pdf

Information on initial Panel closures at WIPP.

From: George Basabilvazo [<mailto:george.basabilvazo@cbfo.doe.gov>]
Sent: Wednesday, June 03, 2015 5:43 PM
To: Maestas, Ricardo, NMENV; Kieling, John, NMENV; Roberts, Kathryn, NMENV
Cc: Chavez, Rick - RES (Rick.Chavez@wipp.ws); rkehrman@plateautel.net; John Vandekraats - NWP; Anthony Stone
Subject: Summary of Panel 6 Initial Closure and Closure of Room 7, Panel 7

Attached is an illustration/picture summary of the activities and completed work related to the initial closure of Panel 6 and closure of disposal Room 7 in Panel 7, consistent with the *WIPP Nitrate Salt Bearing Waste Container Isolation Plan (WNSBWCIP)*. This attachment is a summary but contains new pictures of the work activities and completed items for closure of room 7, Panel 7, S-2520 drift (air intake side) and Room 7, Panel 7, S-2180 drift (air exhaust side). I/we can set up some time to go through these viewgraphs with you all (if you would like to), either tomorrow or more likely early next week. Let me know if you have any questions. Thanks.

Below are the major difference between this attachment and the pictures that were previously sent to you all.

Slide 1 – fixed grammar and Spanglish

Did not include slide with exerts from the WNSBWCIP (pages 9-10)

Slide 14 – monitoring lines and capped line on the intake side of Panel 6

Slides 15 & 16 – radiological monitoring equipment for panel 6

Slide 17 – figure illustrating where the Initial Closure Panel 6 work was completed

Slide 22 – Installation of Room Closure Bulkhead between Room 7, Panel 7 and Room 6, Panel 7 in the S-2520 Drift (air intake side)

Slides 24-31 – room closure activities between Room 7, Panel 7 and Room 6, Panel 7 in the S-2180 Drift (air exhaust side); capping of monitoring line; Radiological Monitoring Equipment and figure illustrating where the room closure for Room 7 in Panel 7 was completed.

Best regards,

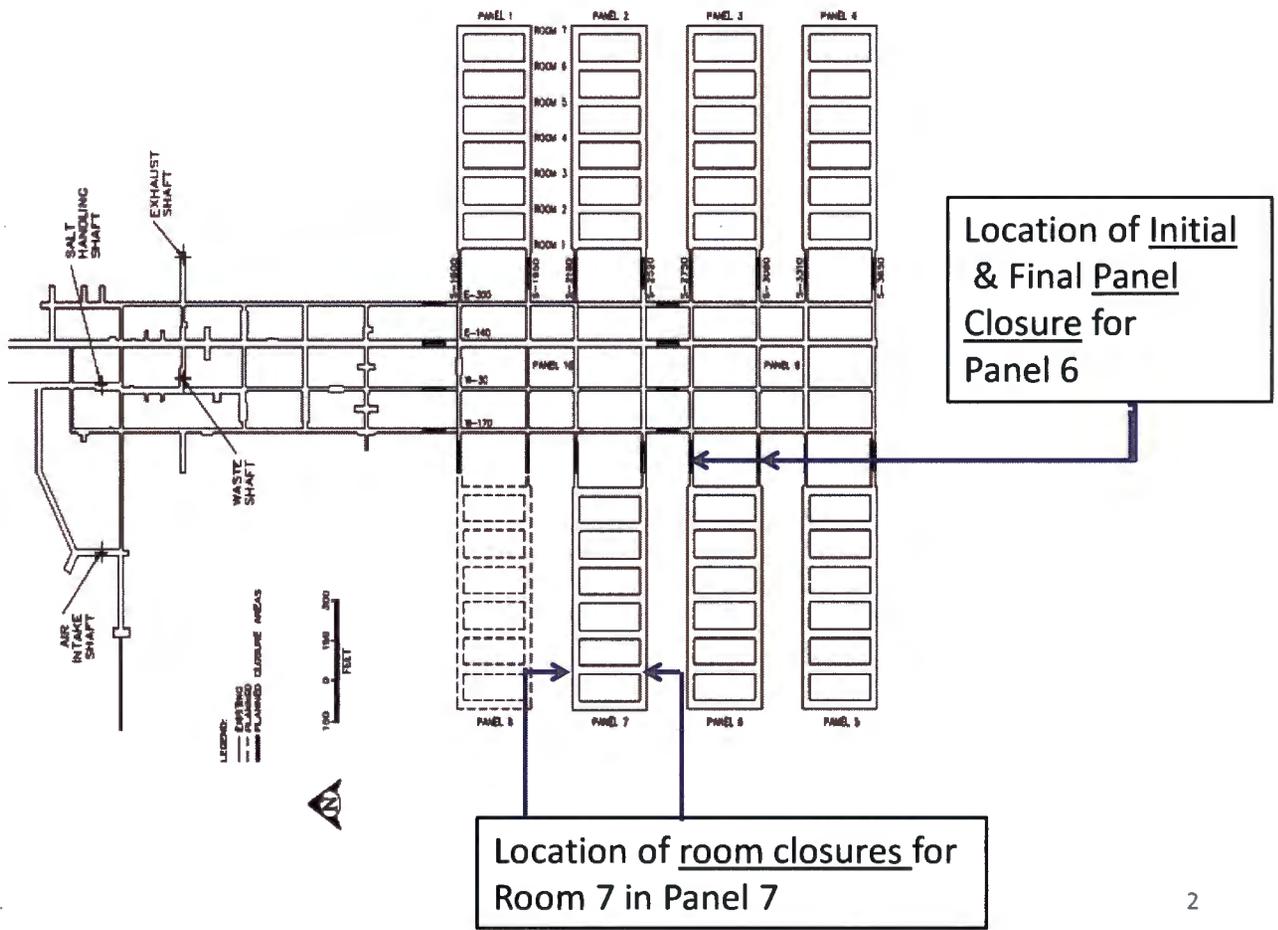
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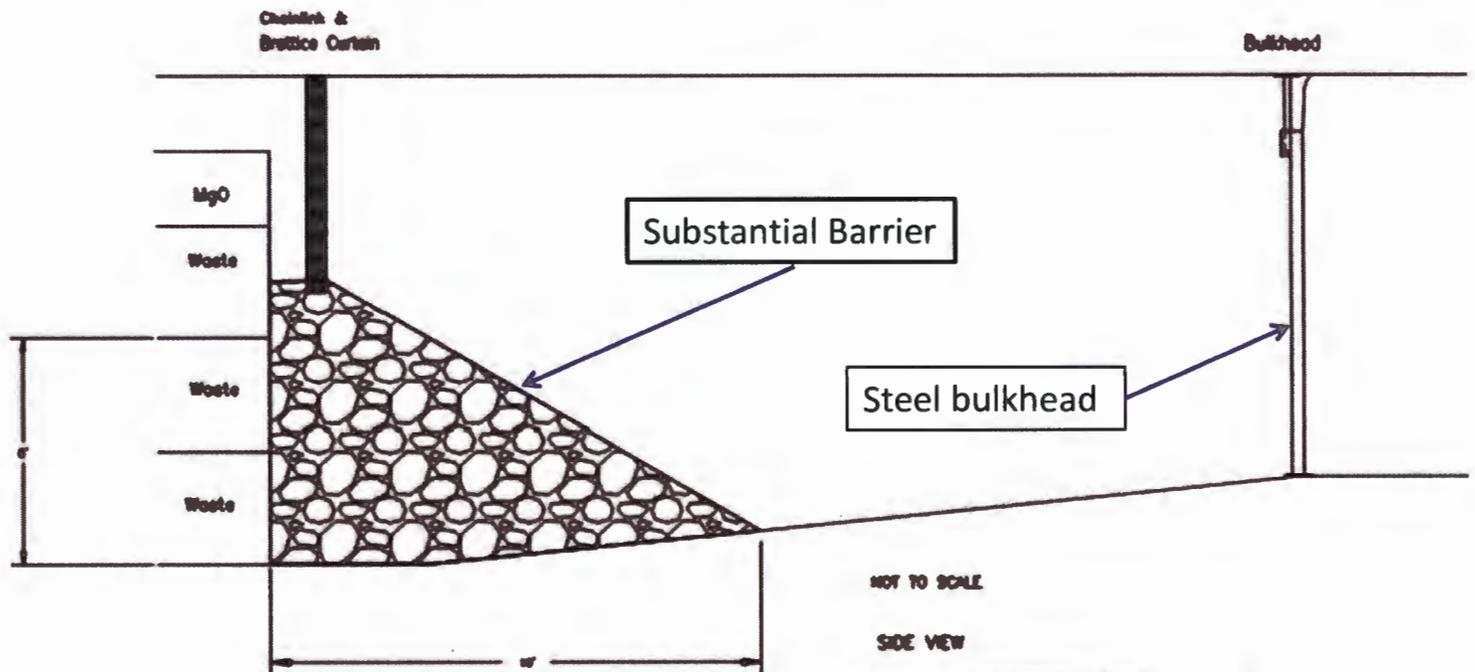
Prerequisites for Expedited Closure of Panel 6 (initial) and Closure of Room 7, Panel 7

- A tremendous amount of prerequisite work activities were conducted, over the past 14 months, which facilitated safe conditions for installation of a substantial barrier and steel bulkhead for initial closure of Panel 6 and closure of Room 7 in Panel 7.
- Activities include but were not limited to the following:
 - Conducted radiological characterization from entrance at shafts to all parts of the underground wearing respirators and protective clothing, gloves and booties
 - Established radiological control areas based on characterization and posted areas accordingly
 - Installed portable radiological monitors and air samplers throughout the underground (u/g)
 - Realigned ventilation in u/g to support recovery activities
 - Conducted extensive geotechnical evaluation and ground control activities and catch up bolting wearing respirators and protective clothing
 - Established u/g habitability (e.g., portable toilets replacement, eyewash stations inspections, and fire suppression equipment inspections)
 - Conducted cleaning of electrical equipment in shafts and throughout the u/g
 - Restocked self rescuers and SCSR caches, establish operability of mine phones, lights, carts, and other underground communication equipment.
 - Brought the Waste Hoist back into operation (cleaned soot from structure, ductwork and electrical panels; removed sump water; conducted pre-operational shaft and structural inspections, conducted pre-operation maintenance)
 - Conducted maintenance on u/g equipment and verified fire suppression system operability
 - Conducted maintenance on u/g infrastructure (e.g., bulkhead doors, plant air, electrical sub stations)
 - Performed cleaning, maintenance and decontamination of u/g equipment to ensure safe operability
 - Performed HEPA filter Change out for u/g Ventilation System
 - Developed new work control documents/procedures and safety basis documentation
 - Conducted training on new documents, use of PPE; performed drills and an exercise
 - Established transition zones between clean areas and radiological contamination areas
 - Conducted u/g bolting in contamination areas using PPE (e.g., respirators, protective clothing, gloves, booties)
 - Reestablished u/g ventilation in certain areas to meet u/g equipment requirements for safe operability
 - Initiated spraying water on salt to decontaminate / attenuate radiological contamination in many areas in the u/g
 - Conducted REACH activities and sampling in Panel 7 to support the AIB investigation
 - Installed localized fans to augment u/g ventilation to support initial closure of panel 6
 - Prepared regulatory documentation to address Administrative Orders and support recovery activities

Plan View of the WIPP Underground



Initial Closure of Panel 6: Consists of a Substantial Barrier & Steel Bulkhead (cross-sectional view of access drift)



“Substantial barrier” means salt or other non-combustible material installed between the waste face and the bulkhead



S-2750 Drift

Panel 6

Substantial Barrier

03/23/2015



Steel Bulkhead without Flashing Installed

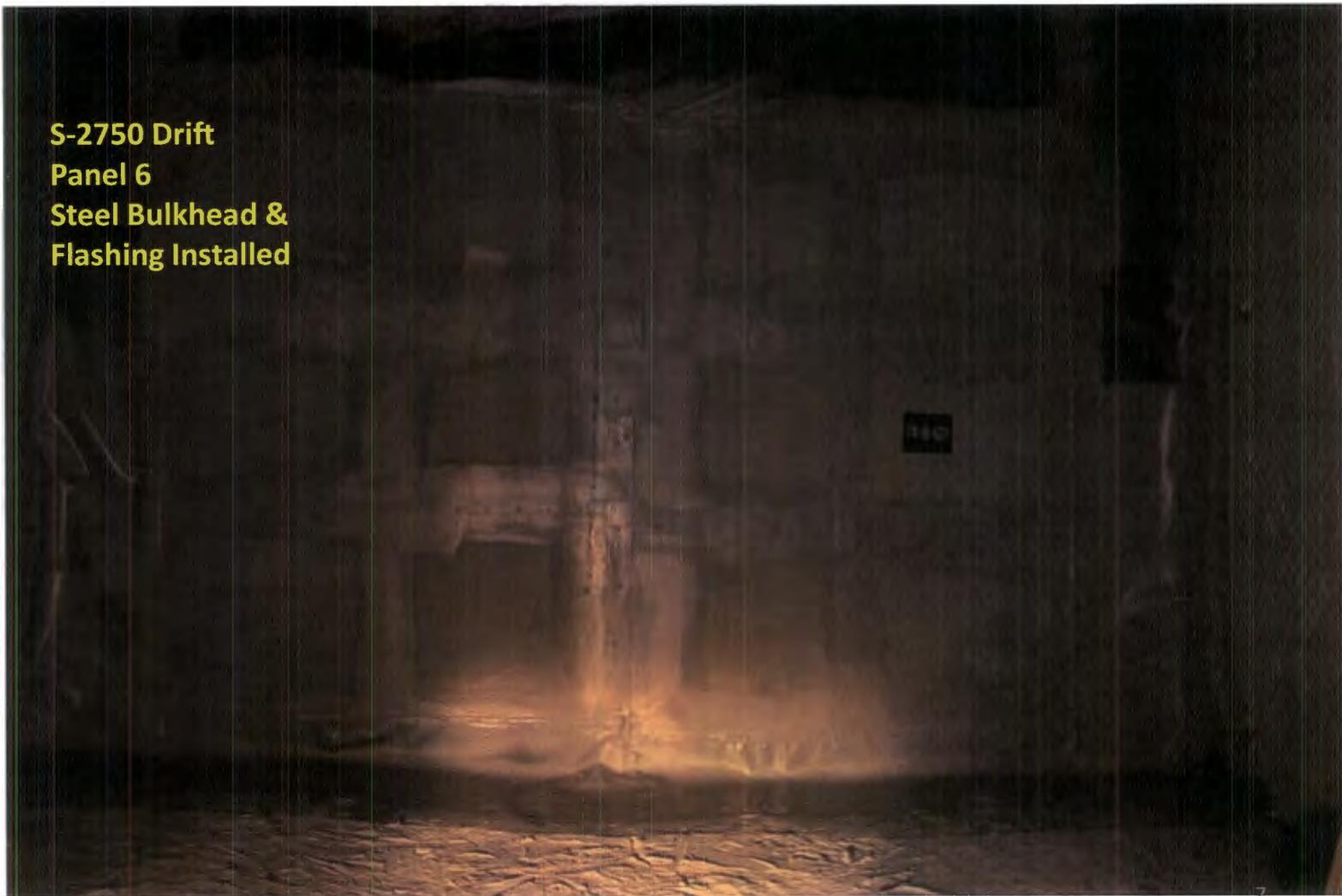
S-2750 Drift Panel 6

S-2750 Drift Panel 6

Steel Bulkhead with Flashing being
Installed



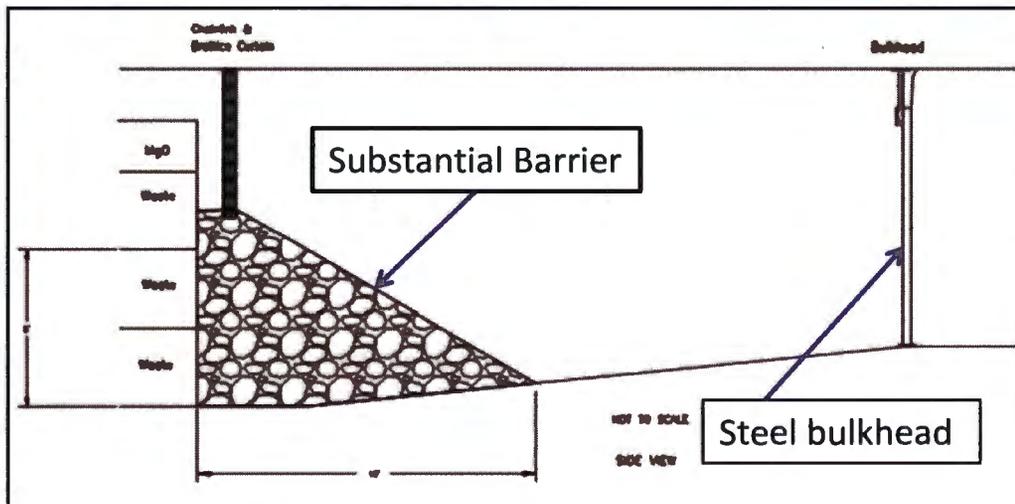
**S-2750 Drift
Panel 6
Steel Bulkhead &
Flashing Installed**

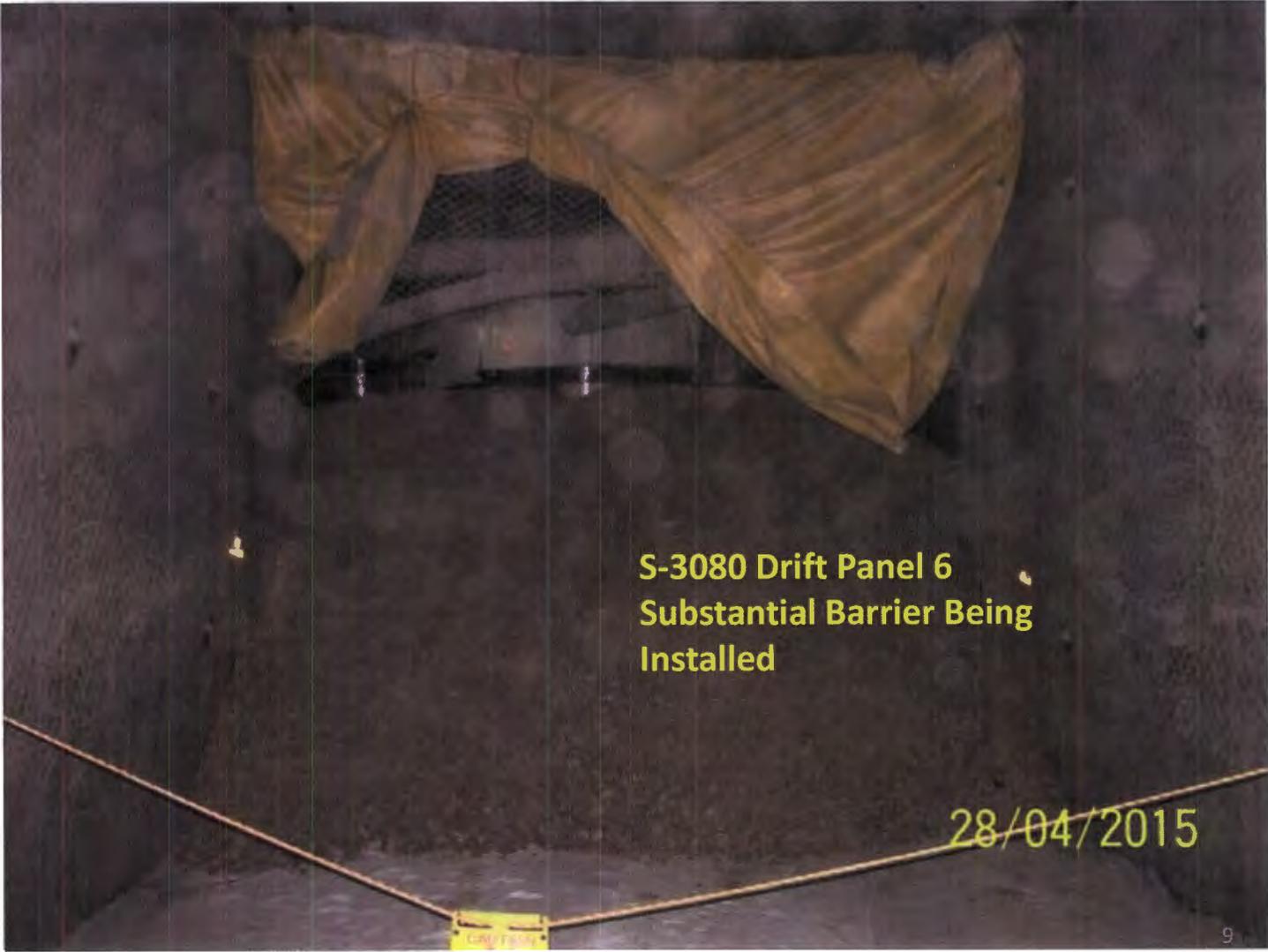


S-2750 Drift Panel 6
Substantial Barrier



S-2750 Drift Panel 6
Steel Bulkhead & Flashing





**S-3080 Drift Panel 6
Substantial Barrier Being
Installed**

28/04/2015

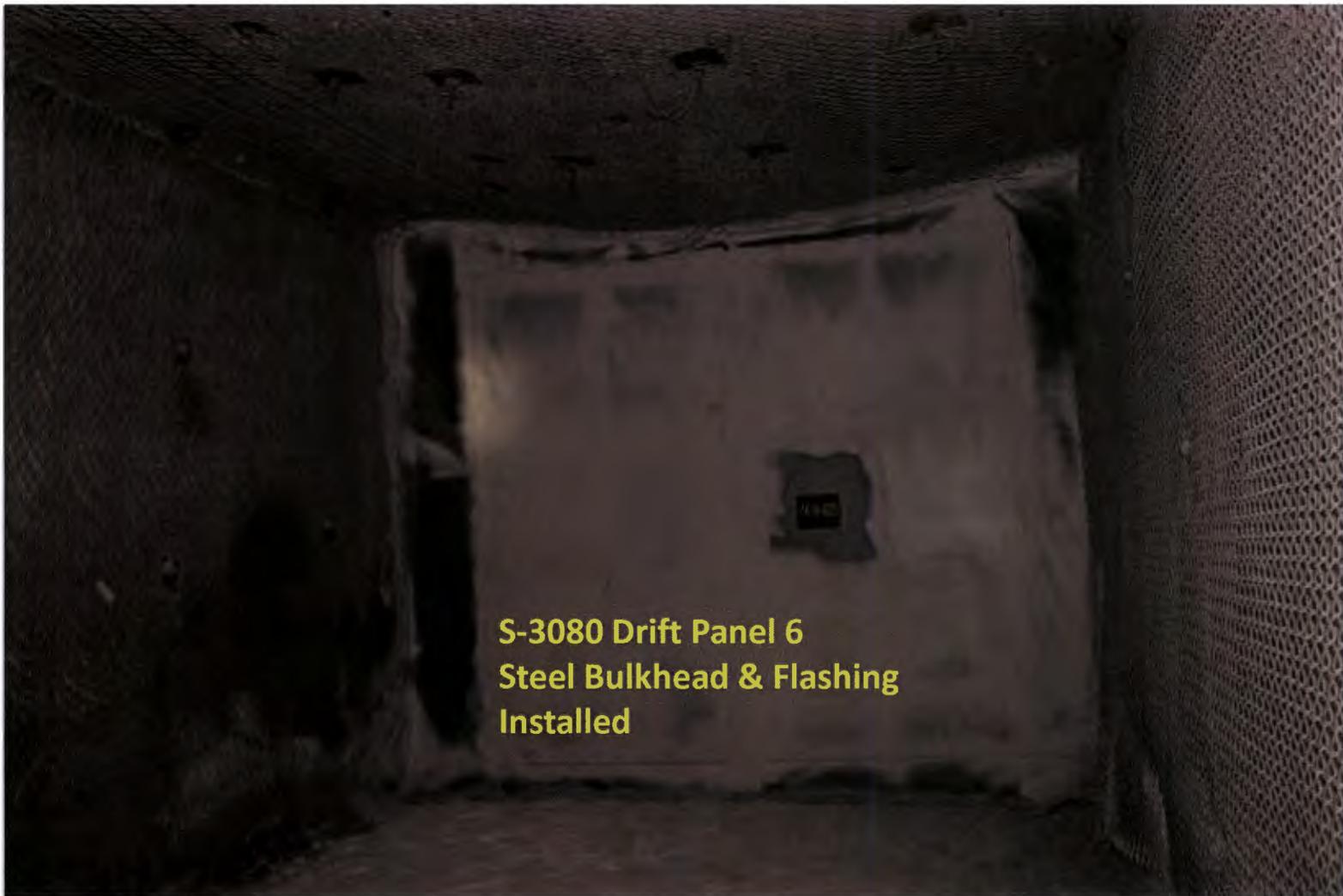


**S-3080 Drift Panel 6
Chain Link, Brattice Cloth
& Substantial Barrier Installed**

28/04/2015



S-3080 Drift Panel 6
Steel Bulkhead with
Flashing Being Installed

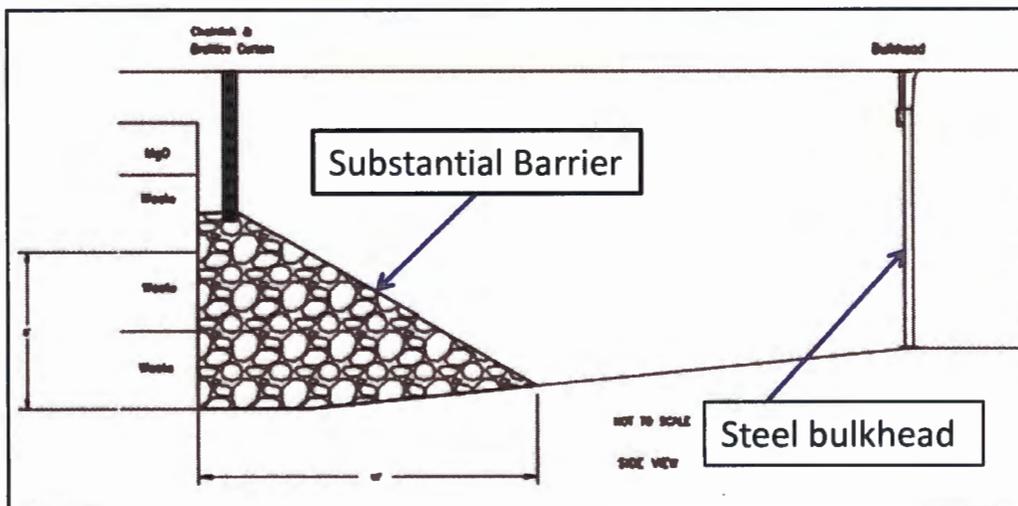


**S-3080 Drift Panel 6
Steel Bulkhead & Flashing
Installed**

S-3080 Drift Panel 6
Substantial Barrier



S-3080 Drift Panel 6
Steel Bulkhead & Flashing





**Monitoring Lines Capped
Monitoring Terminated
Panel 6 Intake (S-2750)**

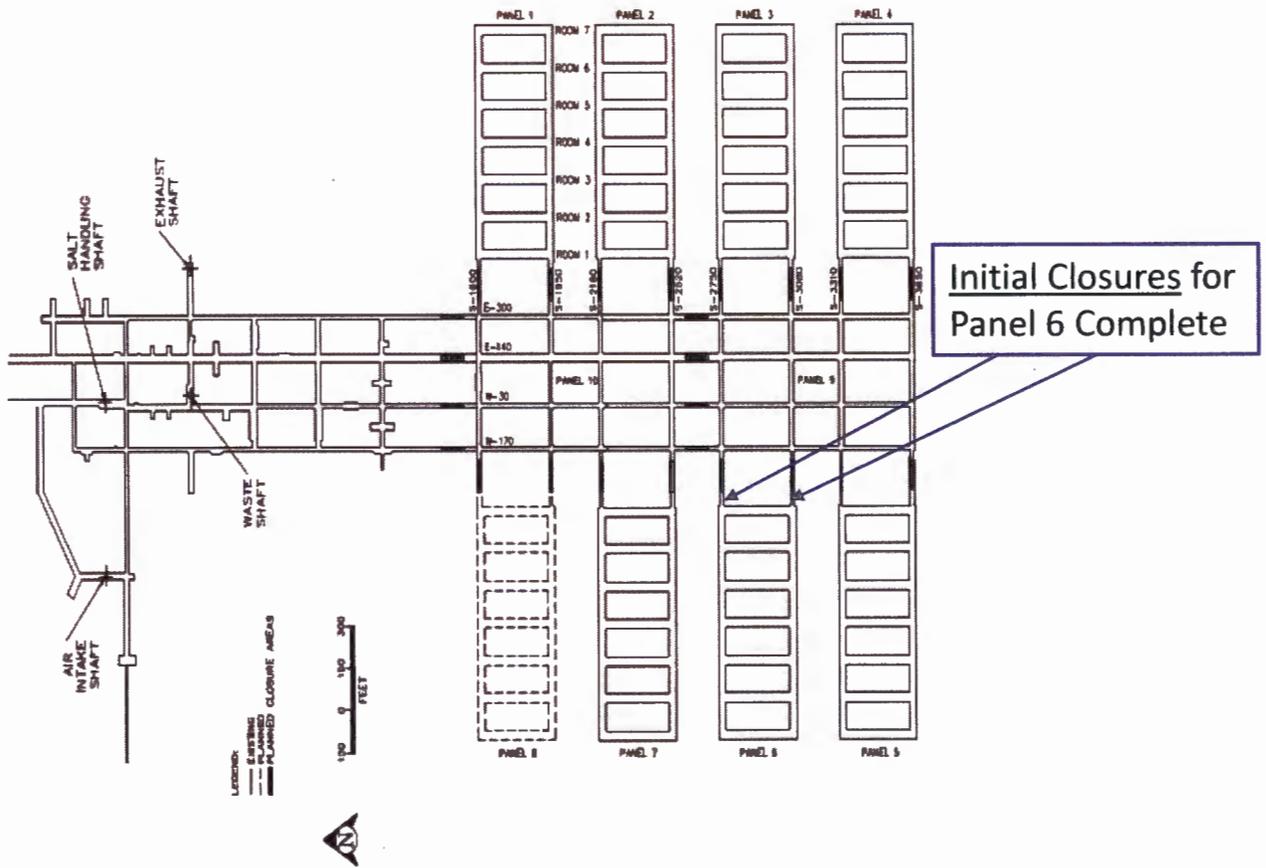
**W-170 & S-3080 Drift
Panel 6 - Radiological
Monitoring
Equipment Installed**



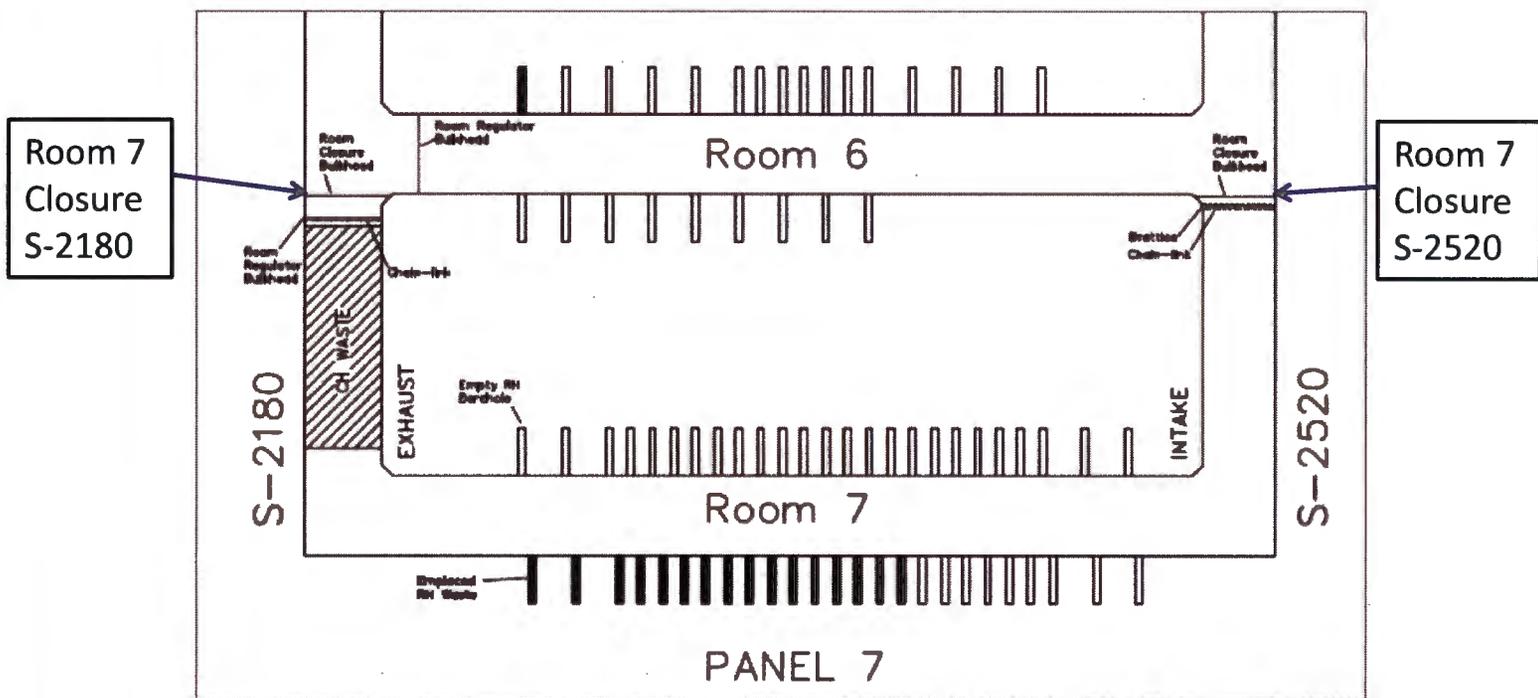
**W-170 & S-2750 Drift
Panel 6 - Radiological
Monitoring
Equipment Installed**



Installation of Initial Panel 6 Closures Has Been Completed

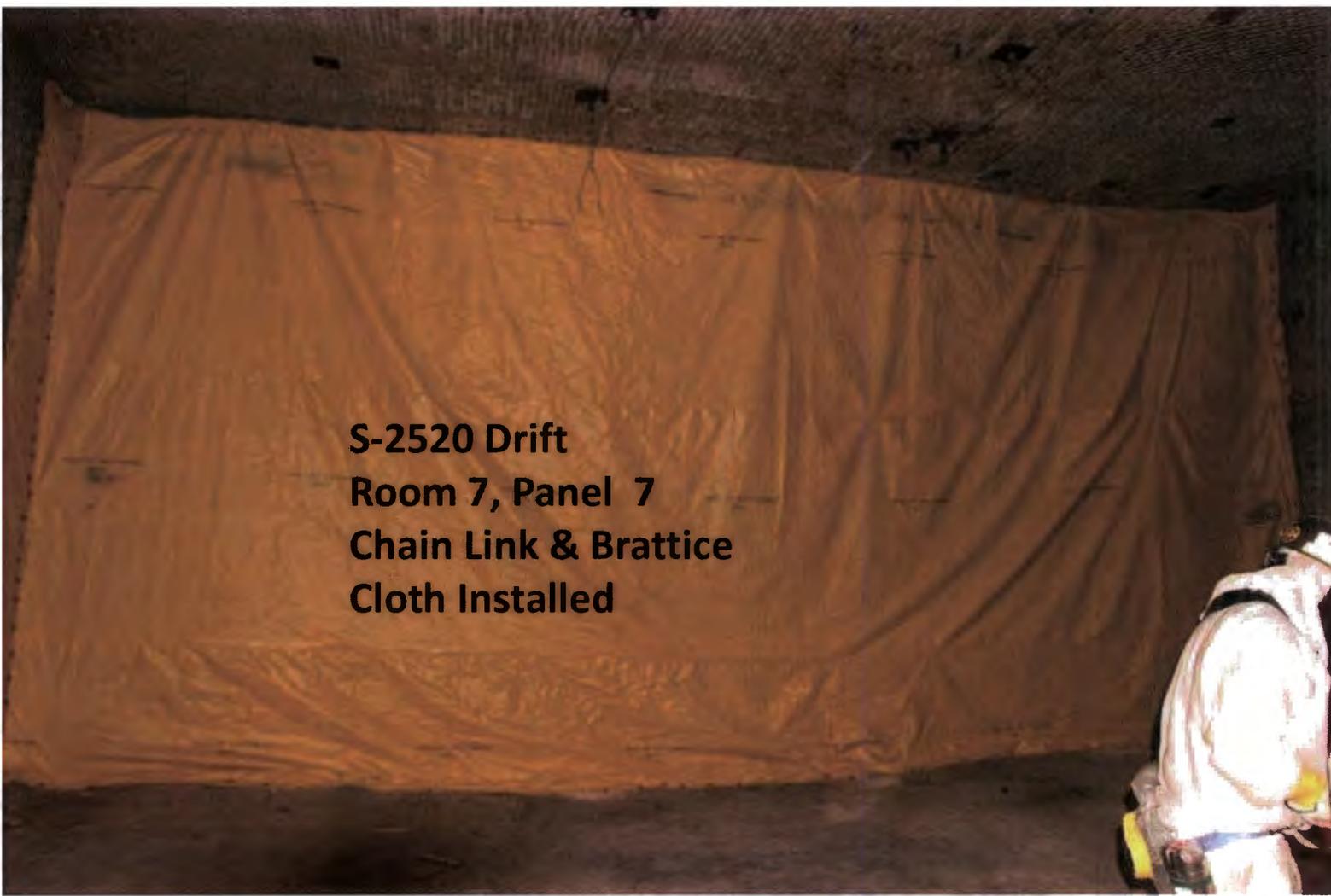


Closure of Room 7, Panel 7 (disposal room closure – steel bulkhead)



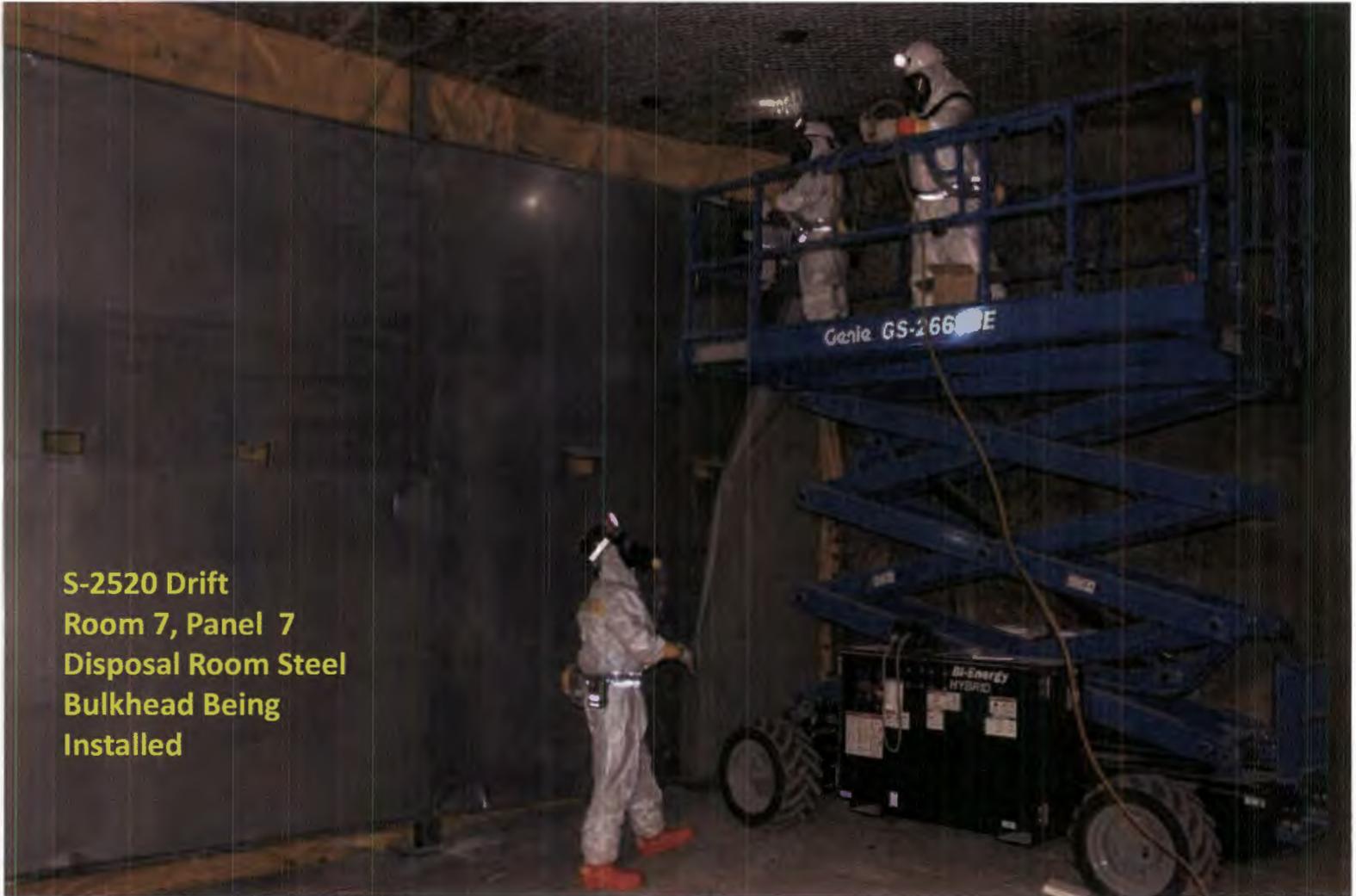


S-2520 Drift
Room 7, Panel 7
Chain Link Anchored



**S-2520 Drift
Room 7, Panel 7
Chain Link & Brattice
Cloth Installed**

S-2520 Drift
Room 7, Panel 7
Disposal Room Steel
Bulkhead Being
Installed



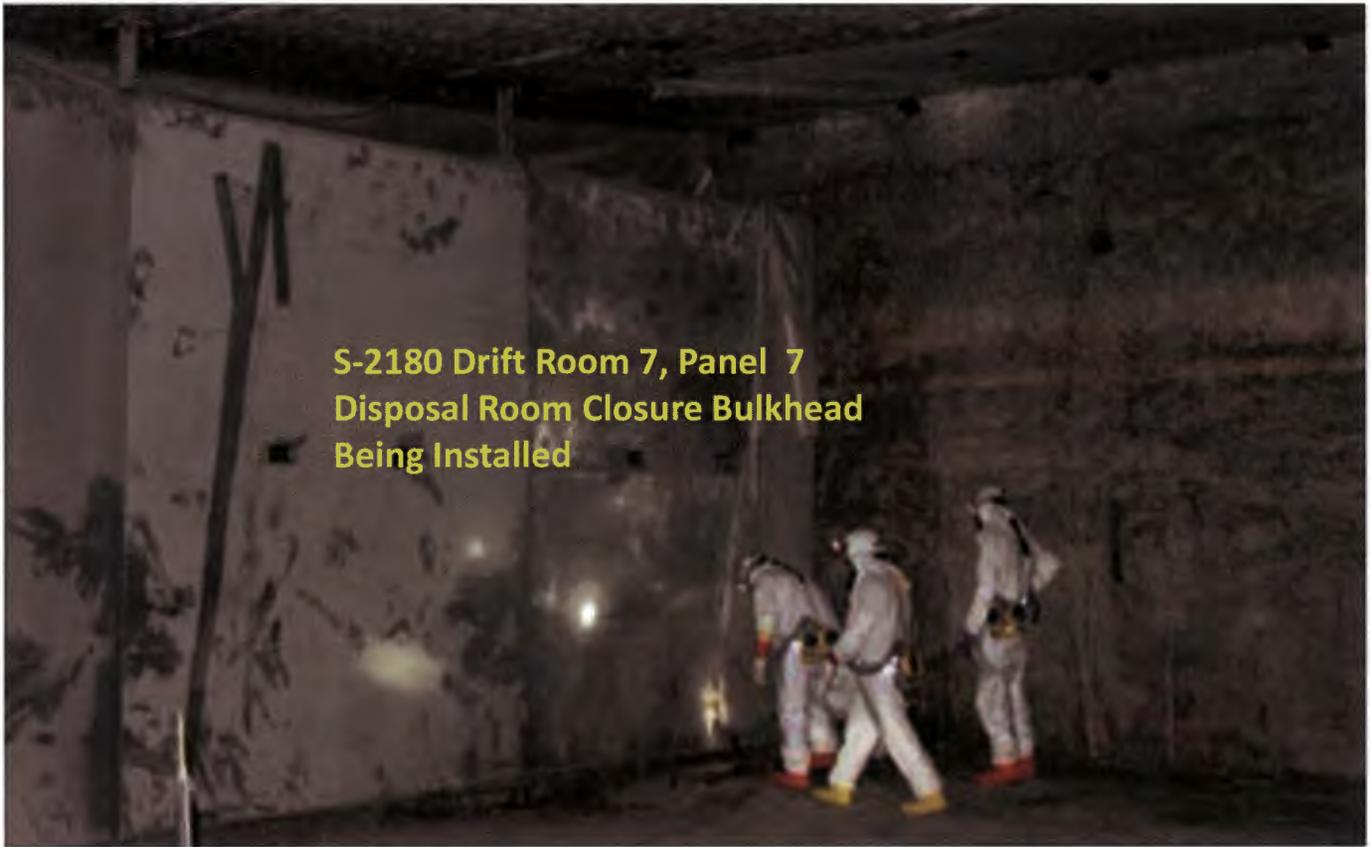


**S-2520 Drift Room 7, Panel 7
Disposal Room Closure Bulkhead &
Flashing Installed**

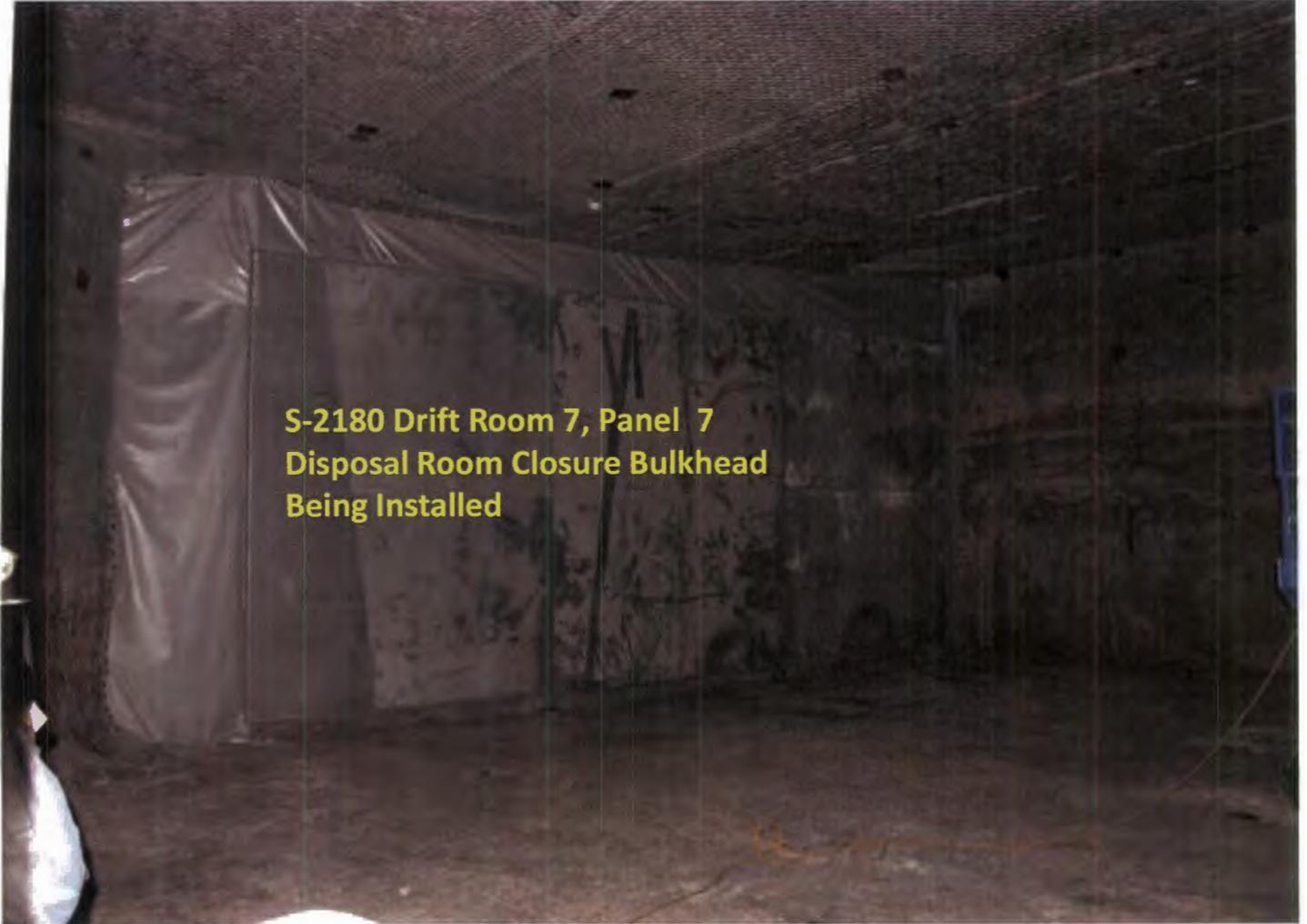
The Ventilation Sliders on the Room 7 Steel Regulator Bulkhead Have Now Been Closed



**S-2180 Drift Room 7, Panel 7 - Exhaust Side
View of Room 7 Regulator Bulkhead with Sliders**



**S-2180 Drift Room 7, Panel 7
Disposal Room Closure Bulkhead
Being Installed**



**S-2180 Drift Room 7, Panel 7
Disposal Room Closure Bulkhead
Being Installed**

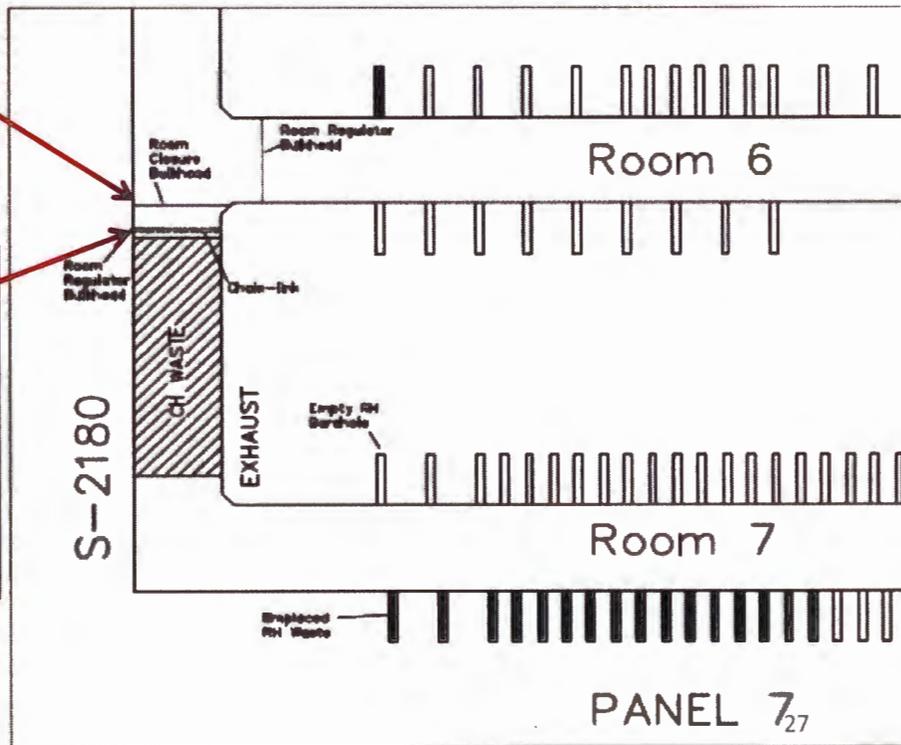


**S-2180 Drift Room 7, Panel 7
Disposal Room Closure Bulkhead
& Flashing Installed**

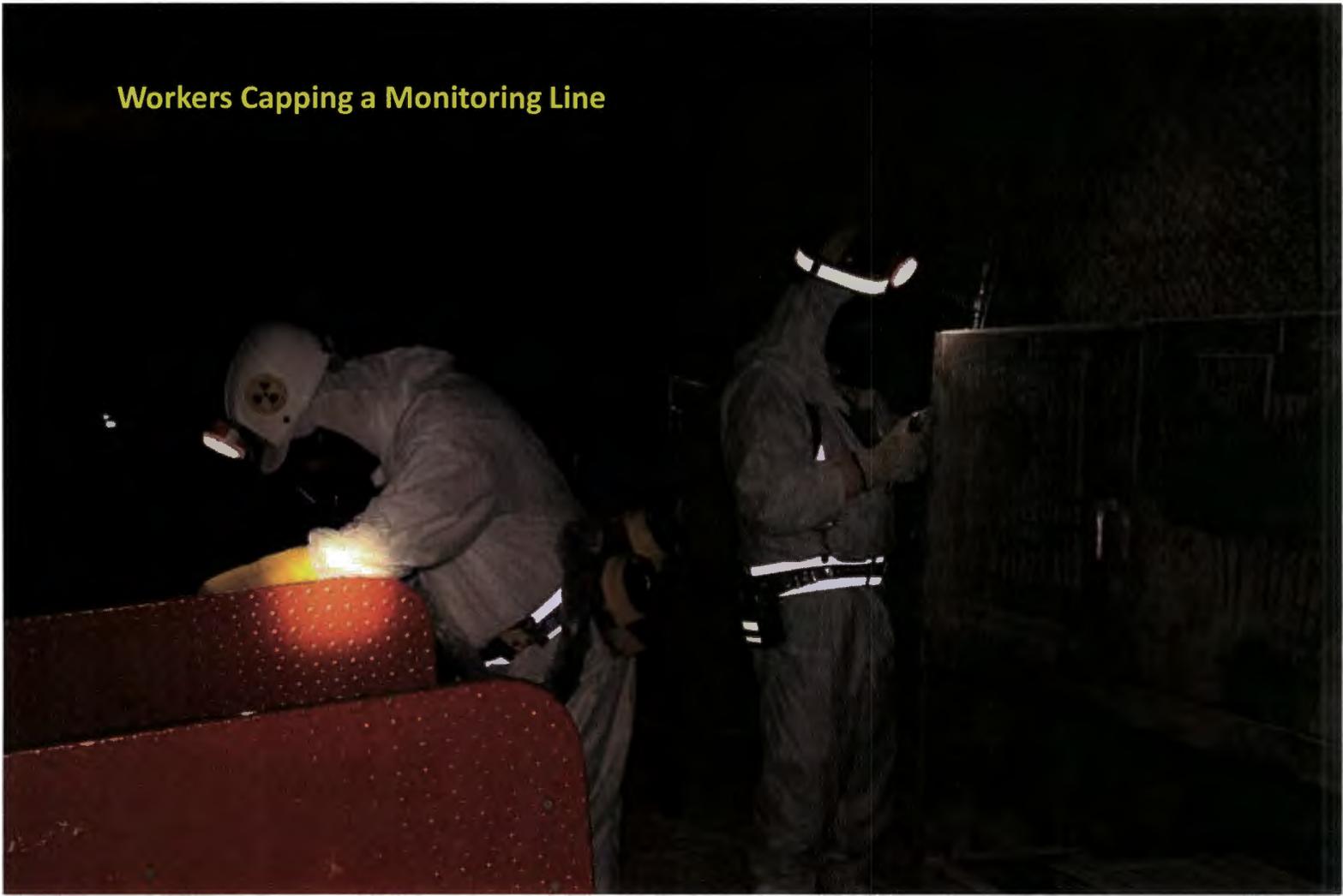


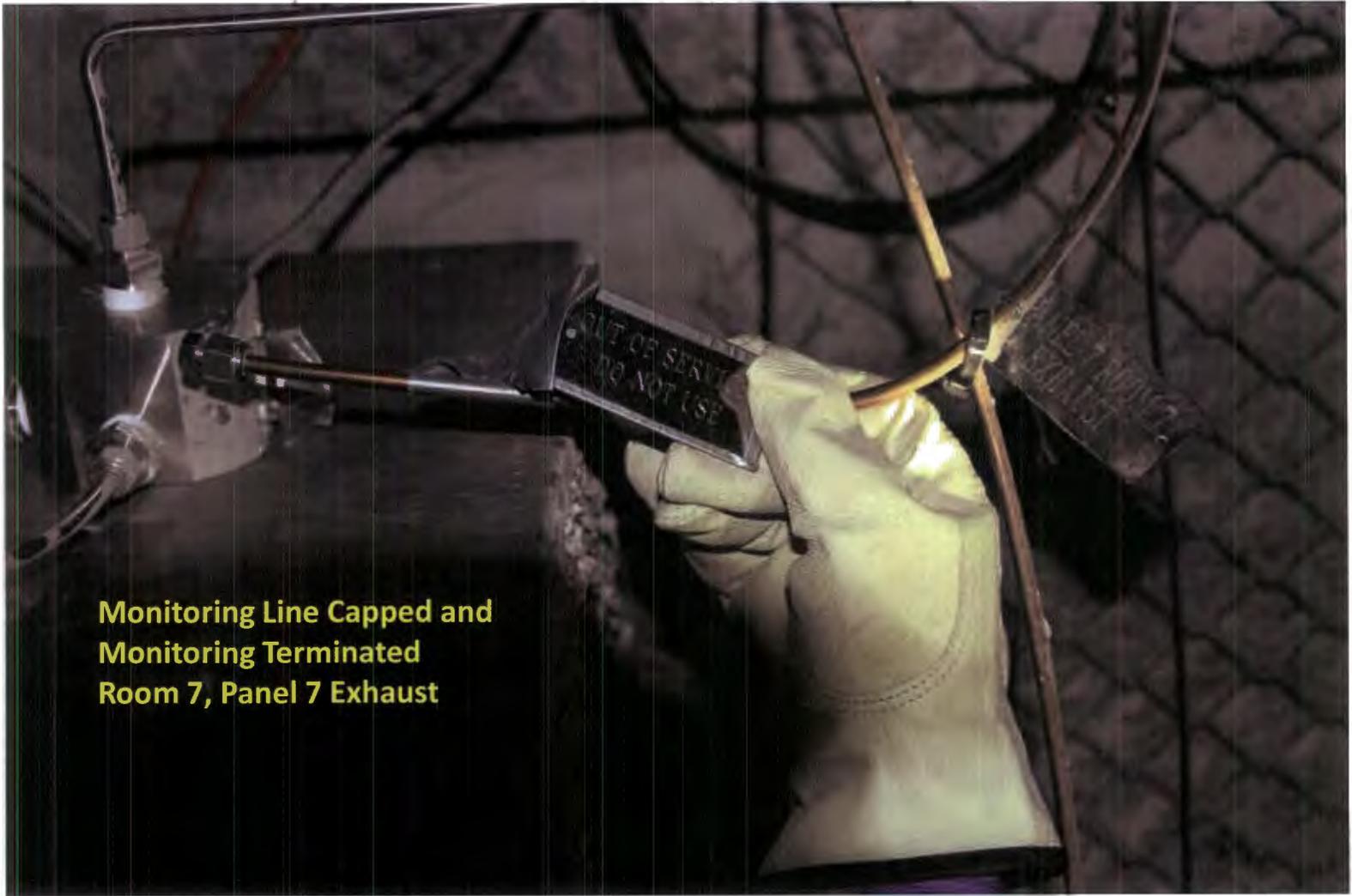
Top Left - View of Room Closure Bulkhead With Flashing, S-2180 Drift Room 7, Panel 7 – Exhaust Side

Bottom Left – View of Room Regulator Bulkhead with Sliders, S-2180 Drift Room 7, Panel 7 – Exhaust Side



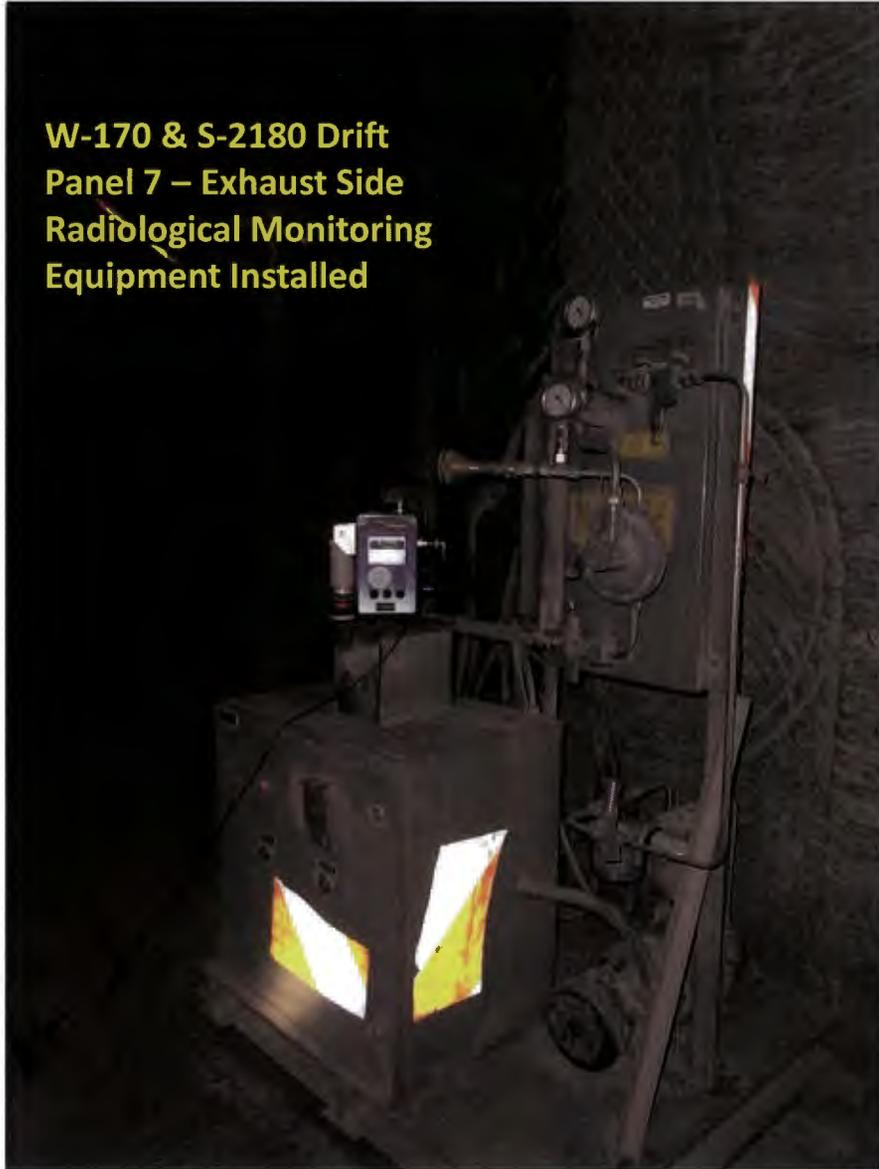
Workers Capping a Monitoring Line





**Monitoring Line Capped and
Monitoring Terminated
Room 7, Panel 7 Exhaust**

**W-170 & S-2180 Drift
Panel 7 – Exhaust Side
Radiological Monitoring
Equipment Installed**



Disposal Room Closure for Room 7 in Panel 7 Has Been Completed

