

Bandmill Coal Corp.  
PO Box 1076  
Holden, WV 25625-1076

July 7, 2011

RE: License # GL-700079, Event #45304

Michael Reichard

US NRC

475 Allendale Road

King of Prussia, Pennsylvania 19406-1415

To Whom It May Concern:

On the evening shift of August 26, 2009, the Bandmill Coal Company preparation plant sustained extensive fire damage to approximately 50% of the main structure. At the time of the fire damage the prep plant maintained a general radioactive materials license, GL-700079. Eleven (11) sealed Cs-137 sources were present at the site. The location of these devices is listed below.

Devices located in areas damaged by fire:

Shield SN	Location
S95F0503	3 <sup>rd</sup> floor of main plant building
B2438	2 <sup>nd</sup> floor of main plant building
B2439	1 <sup>st</sup> floor pump room of main plant building
B2440	3 <sup>rd</sup> floor of main plant building
B2441	3 <sup>rd</sup> floor of main plant building

Devices located in areas not damaged by fire:

Shield SN	Location
B3316	Hernshaw truck dump
B3317	Hernshaw truck dump
9619CM	Highland Glory Hole
9621CM	Highland Glory Hole
6115CM	Storage in Main Warehouse
6649CM	Storage in Main Warehouse

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The prep plant main building sustained fire damage to floors four (4) through eight (8). Some damage to the third (3<sup>rd</sup>) floor was visible on the highway side of the main building exterior. At the time of the fire it was not possible to determine if any damage had occurred to the devices located in the main building.

On August 27, 2009, I, William G. Newsome RSO, was contacted to respond to the site. The fire fighting process was still being conducted. Upon completion, the area was secured with guards at all entry points to prevent access to within 200 feet of the structure due to its damage. I notified the NRC of the possible damage to the source shields, at which time I was assigned Event #45304 by Jason Kozal, who received the call. The following day Michael Reichard, NRC representative, and I met with MSHA officials to advise of the possible dangers associated with the radioactive materials present. MSHA officials noted the importance of the safety of workers along with the proper handling of the nuclear devices. It was determined by MSHA that allowing the building to cool while a plan was implemented was the best course of action.

On September 11, 2009, a plan was submitted to MSHA by company safety officials for the demolition procedures of the remaining plant structure. Due to the condition of the building the work would be performed from crane man baskets and high lifts until the remaining structure was determined to be safe for entry. The plan was submitted to include radioactive alarms present on the man baskets as well as safety training for all employees working in the area where radioactive materials would be present.

On October 2, 2009, I conducted a safety meeting with Trimble Contracting to advise of the safety procedures needed to work in the areas containing the radioactive materials. At this time only work would be done to remove floors above the 5<sup>th</sup> floor.

On October 6, 2009, I installed the RAD EYE alarms on crane baskets and manlifts and tested as needed. Preparation for demolition was complete, and MSHA had given permission for the project to proceed. At this time I was permitted to cut the exterior siding away in the area of one device located on the 3<sup>rd</sup> floor adjacent to the exterior wall. I reached inside to perform a survey and checked the area for abnormal levels of radiation; the radiation area within 12 inches tested at a normal level. There appeared to be no physical damage to the shield, and I locked this device closed. With the use of lights I could see the remaining two (2) devices on this floor. They appeared to be physically intact. At this time demolition was started at the top floors. The alarm units were checked daily for operation. Work proceeded in areas not containing radioactive materials.

On December 15, 2009, the demolition work had reached the 5<sup>th</sup> floor floorline. At this time MSHA allowed me, along with a representative of the insurance company, to enter the building with the use of a manlift. I inspected the devices with a survey meter and secured the shutter assemblies closed. I then proceeded to remove the five (5) devices from the main building to a locked storage box in the main warehouse. Devices were leak tested before being placed in storage. Upon receiving the leak test reports, the five (5) devices reported in the main building were packaged for transfer of ownership to Thermo Fisher Scientific. Berthold Technologies of Oak Ridge, TN, provided the service

representative to complete packaging and surveying of device shields. Shipment of the devices occurred on February 8, 2010, with shipping carrier contracted by Berthold Technologies. Confirmation of transfer of ownership was received June 22, 2010.

Two of the remaining six (6) devices—Serial Numbers 9619CM and 9621CM—are still maintained in service at the Highland Glory Hole located adjacent to the prep plant.

Device serial number 6115CM and 6649CM were never installed at this location. These devices were transferred to storage at the Marfork Warehouse, State Rt. 3, Whitesville, WV. These devices are listed on their original license.

Device serial number B3316 and B3317 were removed from the Hernshaw Truck Dump. The devices were transferred to Stirratt Coal as indicated by GL-700079.

With the completion of the new prep plant the four (4) new source shields have been added to the remaining two (2) devices located at the Highland Glory Hole. A name change was implemented renaming Bandmill Prep Plant as Zigmond Processing.

The following attachments are provided to verify the past and present inventory of radioactive devices listed on GL-700079.

1. Copy of GL-700079-15 Registration
2. Copy of GL-700079-14 Registration
3. Inventory spreadsheet dated 1-31-2011
4. Inventory spreadsheet dated 7-08-2009
5. Photos of packaged source shields removed from main building
6. Stirratt Coal Inventory spreadsheet dated 4-16-2011
7. Sealed source leak test dated 12-15-2009 sources removed from main building
8. Acknowledgement of receipt of radioactive material

There was no damage apparent to the five (5) sources located in the main building. To verify the condition these sources were returned to the manufacturer representative.

Please advise of any additional information needed to close the event.

Thank you,



William G. Newsome