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July 15, 2020

Department of Environment and Conservation  
Knoxville Environmental Field Office  
3711 Middlebrook Pike  
Knoxville, TN 37921-6538

RE: Corrective Action Plan  
Cooper Ridge Deep Mine  
TN0069671, SMCRA Permit # 3262

Mr. Lawrence,

On July 9, 2020 an inspection of the above permit was made by TDEC. As a result of this inspection a Notice of Violation was issued on July 13, 2020. Because of the nature of this violation, we felt that immediate action needed to be implemented to make the necessary repairs as listed below. As part of that violation we are required to submit a Corrective Action Plan for the specific violations listed in this notice. The information below details our proposed corrective measures as required.

- 1) On July 9, 2020 we received a concentrated rainfall event for approximately 1 hour. The runoff from this rainfall event caused the spillway between the sump and pond 001 on the above permit to fail causing a rush of water into pond 001. The volume of runoff caused by this rainfall event caused the water level in pond 001 to rise and exit through the emergency spillway. This in turn caused the emergency spillway to become damaged by displacing the rip rap lining and eroding some material from the spillway. Both the sump and pond 001 had turbidity curtains installed and were still in place after this rainfall event.
- 2) On July 10, 2020 we moved equipment onto the permit to perform the remedial work associated with the berm failure between the sump and pond 001 and also to repair the emergency spillway on pond 001. These areas were repaired on Saturday July 12, 2020 by reshaping the berm between the sump and pond 001 and lining the spillway between the two with rip-rap. The Emergency spillway on pond 001 was also reshaped and rip-rap was placed in the reshaped spillway.
- 3) On July 14, 2020 we moved equipment to the site to clean sediment from the sump and pond 001. As of July 15, 2020 the sump has been completely cleaned and work was started on cleaning pond 001. Material being removed from these structures is being placed on site to allow it to dry and will then be transported to the refuse fill area at the preparation plant.
- 4) To prevent this from occurring again, personnel on site will be monitoring the sump condition and will perform maintenance on it when need to keep it operating properly.

We should have all the maintenance work, pond and sump cleaning completed by July 17, 2020.

If you have any questions or addition requirements, please contact me at 606-261-5016 or email at  
[cberry@inmetminingllc.com](mailto:cberry@inmetminingllc.com).

Sincerely,

Clifford Berry, Jr., PE, PLS