



Interoffice Memorandum

To: Clayton Wein
From: Rob Zuber *RZ*
Date: January 19, 2022
Subject: Deserado Mine TR-73 pond design and supporting information

I have reviewed a portion of the TR-73 submittal for the Deserado Mine (C-1981-018) from Blue Mountain Energy (December 21, 2021), namely the design of the DW-1R-Pond and the supporting information in Illustration 61, including the SEDCAD model output reports.

I have the following items for your preliminary adequacy letter. The first three are minor editorial items. The last three are more substantive, and answers to these questions may lead to additional adequacy items.

1. Map 164 and Map 164A both need a scale bar. The designations “1 inch = 20 feet” or “1 inch = 100 feet” are not useful with digital maps. Please add this to the two maps.
2. On Map 164A, it is not clear if the road should be shown as new disturbance with the dotted blue line. Please explain and update the map, if appropriate.
3. In Illustration 61, page 3, the text states that the proposed pond will be on the north bank of Red Wash. That does not appear to be accurate. The text should be revised to say, “north bank of a tributary to Red Wash.”
4. The text in Illustration 61 needs to explain how particle size distributions for the SEDCAD models were determined (both for the well pad and for the area draining to the pond).
5. Please explain the following discrepancy. On Map 164A, the size of the riprap for the discharge channel is specified as 4-inch D50. However, in the SEDCAD output report the D50 values are 6 inches (model for 10-year event) and 9 inches (model for 100-year event).
6. Illustration 61 needs to include a discussion of the discharge point from the DW-1R-Pond in the context of the CDPS permit for the mine. In particular, will this discharge be an outfall in the CDPS permit with the Water Quality Control Division (near term or in the future)? Will it be managed with other dewatering systems to prevent discharge?

