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Date:

July 6, 2022

To:

Jordan McCourt
Project Coordinator
GCC Energy, LLC

6473 County Road 120 Hesperus, CO 81326

(970) 385-4528

From:

Ryan Griglak, P.E. Project Manager

Stoner Engineering & Surveying

Re:

King Coal I – Quarterly Water Quality Improvements Inspection



Both ponds held water at the time of the inspection. The water level in the west pond was minimal. Some sediment removal from the west pond had taken place since the previous inspection (see Pic. 1). The east pond water level was at the approximate level of sediment removed from the pond (see Pic. 2). The ponds should continue to be monitored after storm events to ensure that excess sediment does not reduce the required storage capacity available for storm water runoff.

The sedimentation traps at the entrance to the site are generally in good condition. Waste material has been placed on the lower waste pile since the previous inspection. The grading of the lower waste embankment pile generally directs surface runoff generally to the south and west as required in the design documents. New berming has been constructed in the northeast corner of the lower pile which will minimize the potential for runoff from entering the clear water ditch (see Pic. 3). The treated water ditch should be monitored for weed growth to ensure capacity is not hindered due to plant growth (see Pic. 4).

A portion of the lower site, south of the storm water detention ponds, is being utilized by a contractor (Weeminuche Construction Authority) as a field office. While the potential for washing out the fuel storage tanks and containment pad is minimal, a localized, high intensity storm event could result in localized erosion in and around the fuel storage area.



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The clear water and the treated water ditches appeared to be in generally good condition. There do not appear to be any major issues with any of the ditches at the time of the inspection. All the culverts located on the site should be checked and any excess sediment cleared/cleaned after seasonal storm events.

The drainage for the overall site appears to be functioning as designed. The drainage features have been constructed and will continue to function as stated in the drainage plan submitted to the Division of Reclamation, Mining & Safety once the ongoing maintenance work resulting from the significant snow accumulation has been completed.

Please let me know if you have any additional questions or concerns in regards to the issues that are discussed above.

Sincerely,

Ryan M. Griglak, P.E.

Project Manager

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Pic. 1 – Sediment removal ongoing, West pond.



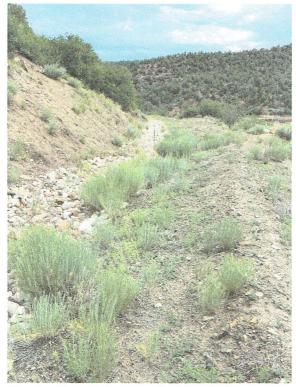
Pic. 2 – Water level near sediment removal level, East pond.

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Pic. 3 – Lower waste pile, new berming at top of pile.



Pic. 4 – Treated water ditch, weed growth.