





December 12, 2022

State of Colorado Division of Reclamation, Mining & Safety 1313 Sherman St., Room 215 Denver, CO 80203

Attn: Janet Binns, Environmental Protection Specialist III

Re: GCC Energy, LLC, King II Mine

CDRMS Permit # C-1981-035

Stoner Engineering: Quarterly Inspection: Refuse

Pile 4th Quarter 2022

Ms. Binns:

Please find enclosed a copy of Stoner Engineering's Quarterly Inspection report of the King I mine refuse pile/embankment for the 4th quarter of 2022.

Please contact me at 970.385.4528 or jmccourt@gcc.com if you have any questions or require any additional information.

Sincerely,

Jordan McCourt Project Coordinator

Jordan McCourt

GCC Energy, LLC

## Stoner Engineering & Surveying

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Date:

December 8, 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 Waste Pile/Embankment Inspection

On December 7, 2022, Ryan Griglak, P.E. visited the GCC Energy, LLC King I Mine site to conduct the quarterly inspection of the coal waste pile/embankment. Mr. Griglak, P.E. has conducted inspections for the placement of earthwork/embankment fill material for numerous commercial, residential and municipal projects in which buildings, roadways and parking facilities were installed over the placed materials.

The south treated water ditch (Reach 10) and the north clear water ditch (Reach 1) are in generally good condition. The sedimentation of the north clear water ditch has remained unchanged since the previous inspection.

There does not appear to have been any additional waste material placed at the top of the main waste embankment pile since the previous inspection. There has been additional material placed on the lower pile (see Pic. 1). The slope of the top of the existing pile is closer to that defined in the Waste Bank Design produced by Don May, 1997.

As a result of the stockpiling of waste embankment materials on the lower pile, there is a portion that slope to the north towards the face of the embankment pile. The required berming at the face of the embankment is in place and is preventing runoff from flowing down the face of the embankment pile. The grading should be improved on the lower pile to prevent runoff from flowing towards the face of the waste embankment pile which could result in erosion down the face of the waste pile.

The face of the embankments appeared to be in generally good condition. There were no signs of excessive erosion, instability, sloughing or weakness observed on the face of either of the waste embankment piles at the time the inspection was conducted. A picture is not available due to a downloading issue.

P.O. Box 1163 Tel 970.565.7483



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The only structure with any proximity to the embankment material is the old, abandoned bath house which is no longer utilized.

The waste pile has been and continues to be constructed and maintained as specified in the design approved by the Division of Reclamation, Mining & Safety. Potential hazards to life and property are minimal due to the fact that GCC has moved most of their operations to their King II facility and the temporary construction office is located away from the waste embankment pile.

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 –Waste material stockpiled on lower waste pile.



Pic. 2 -Lower waste pile with slope towards face.