GCC Energy

"Safety as a Value"

Telephone: 970.385.4528
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GCC Energy, LLC
6473 County Road 120
Hesperus, CO 81326

April 11, 2017

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

Attn: Rob Zuber, Environmental Protection Specialist II

Re: King I Mine, C-1981-035
Stoner Engineering: Quarterly Inspection: Water Quality Improvements
1st Quarter 2017

Dear Mr. Zuber,

Please find enclosed a copy of Stoner Engineering's Quarterly Inspection report of the King I mine water quality improvements for the 1st quarter of 2017.

Please call Tom Bird at (970) 385-4528 x 6503 if you have any questions or comments.

Sincerely,

Tom Bird
Manager, Coal Services
GCC Energy, LLC

Stoner Engineering & Surveying
Engineering, Testing & Surveying

Date: March 28, 2017

To: Tom Bird
Manager, Coal Services
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

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On March 27, 2017, Ryan Griglak, P.E. visited the GCC Energy, LLC King I Mine site to conduct the quarterly inspection of the water quality features installed to prevent contaminated storm water runoff from escaping the site in events smaller than the 100-year storm event.

There were approximately 29-inches of water in the west pond and 46-inches of water in the east pond (see Pic. 1) at the time of the inspection. The ponds are both in generally good condition. The required storage volume appears to be adequate at this time based upon the sedimentation gages installed in the ponds. The sedimentation levels of the ponds should checked after the existing water dissipates from the ponds. 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 drainage ditches and pipes were generally in good condition though the inlet pipe into the east pond is experiencing some erosion around the edge of the pipe that should be repaired (see Pics 2). All pipes, ditches and sediment traps should be inspected and repaired as necessary, especially after storm events.

The north sediment trap located along the west side of the driveway at the entrance to the site has experienced some erosion and water can now bypass the sediment trap along the southern edge (see Pic 3). This sediment trap should be repaired as soon as possible.

The drainage for the overall site is functioning well and is generally in good shape. The drainage features have been constructed and are operating as stated in the drainage plan submitted to the Division of Reclamation, Mining & Safety.

P.O. Box 1163 | 28 South Washington Street | Cortez, Colorado 81321
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Stoner Engineering & Surveying
Engineering, Testing & Surveying

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

P.O. Box 1163
Tel 970.565.7483
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Pic. 1 –Water accumulation in east pond.

Pic. 2 – Pipe inlet to east pond.

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Pic. 3 – North sediment trap, west side of drive.

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