



STATE OF  
COLORADO

Wein - DNR, Clayton <clayton.wein@state.co.us>

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## King Mine August 16, 2023 Maintenance Items Updated Letter

1 message

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**Wein - DNR, Clayton** <clayton.wein@state.co.us>

Wed, Aug 30, 2023 at 10:07 AM

To: Dickson Michael <mdickson@gcc.com>, McCourt Jordan <jmccourt@gcc.com>, Vance Sarah <svance@gcc.com>, Bird Tom <tom@haygulchservices.com>, "Dorenkamp Chris (Frank)" <cdorenkamp@gcc.com>

Cc: Lucas West - DNR <lucas.west@state.co.us>, Travis Marshall - DNR <travis.marshall@state.co.us>

Good morning All,

As per our conference call on Monday afternoon, the Division has updated the required maintenance items for the King I refuse Disposal Area. Please see the attached letter for more details. Please feel free to contact me if you have any questions or concerns.

Sincerely,

**Clayton Wein**

**Environmental Protection Specialist**



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

P 303.866.3567 x 8185 | F 303.832.8106

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**King Mine, C-1981-035, August 2023 UPDATED Post Inspection Corrective Actions Letter\_CCW.pdf**  
473K



August 29, 2023

Chris Dorenkamp  
GCC Energy, LLC  
6473 County Road 120  
Hesperus, CO 81326

**Re: King Coal Mine Permit No. C-1981-035**  
**August 2023 Post Inspection Outstanding Maintenance Items**

Dear Mr. Dorenkamp,

After our discussion on August 28<sup>th</sup> regarding the King Mine's lower refuse Disposal Area (LRDA), The Division has modified some of the required maintenance items outlined in the cover letter for the Division's August 16<sup>th</sup> Inspection Report. In addition the operator has supplied the Division with evidence that Maintenance Item No. 1 has been completed. The Division considers Maintenance Item No. 1 completed. The following maintenance items are separated into two categories; remaining maintenance items due by September 5, 2023, and additional maintenance items that will be due by September 19, 2023. Maintenance Items that are due by September 19<sup>th</sup> are a result of the operator's indication that they wish to return the LRDA to its original design approved under Technical Revision No. 27 (TR-27). To complete this, the operator must remove the excess coal waste material from the northeast portion of the LRDA. Allowing the Reach 13 ditch to be returned to the approved design and location. With these proposed activities by the operator, Maintenance item No. 4 and No. 6 have been removed. An updated version of Attachment No. 1 is included at the end of this letter for your reference.

**Maintenance Items Due by August 5, 2023:**

2. It was noted that the northeastern portion of the lower refuse pile has encroached on Reach 13 of the surface drainage features. The space between the lower refuse pile and the eastern Clearwater ditch has buried the location where the ditch should exist. This surface water drainage feature is no longer functional as designed and shown on Map 007. The operator is proposing to restore the approved design of the northeast section of the LRDA and Reach 13 ditch. Please create a temporary segment for Reach 13 to re-route the ditch where it intersects the top of the lower refuse pile. The Division recommends creating a segment of a ditch that connects Reach 13 along the southern portion of the refuse pile and connecting it to Reach 10. This new portion of Reach 13 should be made to the same size and dimensions as approved on King I Map 007A. **Please submit photos to the Division when this portion of the surface drainage system is completed. Please note that Maintenance Item No. 2 is to provide temporary drainage capabilities while Maintenance Item Nos. 7 and 9 are completed.**



3. The Division's August 2023 Inspection identified that Reach 10 of the surface drainage features does not reflect the design or location as presented on the approved King I Map 007. Reach 10 no longer follows the haul road along the south-southwest section of the lower refuse pile. **Please restore this section of Reach 10 to reflect the location and design presented on Map 007. Submit photos to the Division when this task has been completed.**
5. The Division is currently investigating the approved geotechnical and surface drainage designs of the King I Refuse Disposal Area. Please submit to the Division a map showing the most current data for the refuse disposal area's elevation contours. **Please provide the Division with this map no later than September 5, 2023.**

**Maintenance Items Due by September 19, 2023:**

The Division recognizes that removal of the coal materials from the LRDA's northeast section is desired and would comply with the approved TR-27 designs. The following maintenance items are outlined to ensure that this action will result in compliance with the Permittee's approved Permit Application Package, the Act, and the Rules.

7. All material removed from the northeast corner of the LRDA should not be stockpiled on top of the pile during the work being conducted to re-establish the TR-27 approved design. Please place the excavated material on top of the upper refuse disposal area. This will help maintain the pile's stability while the northeast corner is disturbed by the activity.
8. During the reconstruction of the northeast corner of the LRDA, compaction testing must be performed while the lifts are created. The compaction tests are vital to ensuring the stability of the LRDA is monitored. **Please provide the Division with these compaction tests as the northeast section of the LRDA is reconstructed. Also, please ensure that compaction testing of the lower and upper refuse disposal piles are included in the required quarterly Inspection Reports for the Coal Mine Waste Banks as required by the permittee's Permit Application Package.**
9. Reach 13 must be re-established to the approved location on Map KI 007 and to the approved designs from Map KI 007A. **Please submit photos of the completed ditch to the Division no later than September 19, 2023.**
10. During the evaluation of the current conditions at the King I Refuse Disposal Area, the current approved KI Map 007 was found to be deficient. A minor revision must be submitted to the Division to reflect the approved King I Refuse Disposal Area (under TR-27) and the activities approved under TR-30 are in agreement with one another. **Please provide the Division with a Minor Revision addressing the KI Map 007 no later than September 19, 2023.**

Please feel free to contact me at (303)-866-3567 x8185 to discuss any of the outstanding maintenance items and corrective actions outlined above.

Sincerely,

A handwritten signature in black ink that reads "Clayton Wein". The signature is written in a cursive, slightly slanted style.

Clayton Wein  
Environmental Protection Specialist  
[clayton.wein@state.co.us](mailto:clayton.wein@state.co.us)

cc: Travis Marshall, Senior Environmental Protection Specialist

**Attachment 1:**

