



STATE OF
COLORADO

West - DNR, Lucas <lucas.west@state.co.us>

C-1981-035 King September 2024 Partial Inspection Report

1 message

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Wed, Sep 18, 2024 at 1:40 PM

To: McCourt Jordan <jmccourt@gcc.com>, Wymore Wade <wwymore@gcc.com>, Michael Dickson <michael@summitmining.co>, Clayton Wein - DNR <clayton.wein@state.co.us>, DNR DRMS_CoalAdmin - DNR <dnr_drms_coal_admin@state.co.us>

Good Afternoon All,

Please find the attached inspection report from my visit last week. Everything looked good and no maintenance items were identified. Let me know if you have any questions, thanks!

Lucas

Lucas West

Environmental Protection Specialist

Minerals Program, Grand Junction Field Office



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

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C-1981-035 September 2024 Partial Inspection Report.pdf

1714K



PERMIT INFORMATION

Permit Number: C-1981-035 Mine Name: King Coal Mine Operator: GCC Energy, LLC Operator Address: Mr Jordan McCourt 6473 County Road 120 Hesperus, CO 81326	County: La Plata Operation Type: Underground Permit Status: Active Ownership: Private
	Operator Representative Present: Wade Wymore
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: September 10, 2024 Inspection Start Time: 13:27 Inspection End Date: September 10, 2024 Inspection End Time: 14:50	Inspection Type: Coal Partial Inspection Inspection Reason: Normal I&E Program Weather: Clear
Joint Inspection Agency: None	Joint Inspection Contacts:
Post Inspection Agency: None	Post Inspection Contacts:
Inspector(s): Lucas West	Inspector's Signature:  Signature Date: 9/18/2024

Inspection Topic Summary

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

N - Air Resource Protection

N - Availability of Records

N - Backfill & Grading

N - Excess Spoil and Dev. Waste

N - Explosives

N - Fish & Wildlife

R - Hydrologic Balance

N - Gen. Compliance With Mine Plan

N - Other

R - Processing Waste

N - Roads

N - Reclamation Success

N - Revegetation

N - Subsidence

N - Slides and Other Damage

N - Support Facilities On-site

N - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

N - Topsoil

COMMENTS

This was a partial inspection conducted by Lucas West of the Colorado Division of Reclamation, Mining and Safety as part of the normal monitoring program for permitted sites. Wade Wymore of GCC accompanied the inspection and represented the Operator. Normal activities were taking place at the mine during the inspection. At the King II area, the stackers were active and trucks were being loaded at the time of the inspection. At the King I facility distribution of waste material on the Lower Refuse Pile was taking place. The weather was clear and dry. Seven Photos accompany this report to illustrate the current site conditions.

The overall footprint of the site is in good condition. No problems were identified during the inspection.

HYDROLOGIC BALANCE - Rule 4.05

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

Recently, both the King I and King II facilities have received several significant precipitation events. One focus of this inspection was to monitor the hydrologic controls in place, in response to these events.

King I Facility

The Upper Refuse Disposal Area (URDA) and the upper section of Reach 10 of the internal drainage structure was observed to be in good condition. The upper section of Reach 10 flows the South side of the URDA to carry impacted water from the URDA to the Lower Refuse Disposal Area (LRDA). This section, shown in Photo One, was free from obstruction and appeared to be able to function as designed. Minor sedimentation along the way was noted, but not enough to warrant cleanout or to be considered a problem. Further down gradient, along reach 10 and below the shoulder of the slope, significant volumes of water had scoured the recently placed river rock, exposing the geotextile liner beneath the rock. The rock has been piled along the slope and was only transported a short distance. The flow, and transported rock did not migrate outside of the ditch, nor did it compromise the integrity of the ditch, therefore is not considered a problem at this time. The area can be seen in Photo Two. On site discussions with the Operator Representative indicate that more angular rock is on order, to repair the area in an effort to prevent any further rock transport. All ditches and culverts along the access road between the URDA

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and the LRDA were noted to be free from obstruction and appear to be able to function as designed.

At the LRDA, Reach 13 was observed to be in excellent condition. The river rock lining has been extended down the slope and around the receiving sump near the toe of the LRDA. Photo Three shows the lined section of Reach 13 as well as the receiving sump. Reach 10, as it traverses the LRDA and extends down the access road toward the sediment pond was also noted to be in good condition and free from obstruction.

King II Facility

All observed ditches and culverts at the King II facility were in good condition, free from obstruction and appeared to be functioning as designed. No evidence of significant erosion or sedimentation was noted. The Sediment Pond was observed and had more standing water than is typical for the time of year, in response to the recent precipitation events. The water level was still noted to be well below the outlet structure, and no evidence of discharge was noted. The pond can be seen in Photo Four.

Also noted at the King II facility was the Hazardous Materials Storage Area adjacent to the parking lot near the office building. All items stored in the area were contained within secondary containment structures or spill pallets, were well organized and labeled. The storage area can be seen in Photo Five.

PROCESSING WASTE/COAL MINE WASTE PILES – Rule 4.10 and 4.11

Drainage Control; Surface Stabilization; Placement:

All processing waste for the site is stored at the King I Facility. Both the URDA and the LRDA were noted to be in excellent condition. The surfaces of both facilities appear to be well compacted, and no evidence of settling slumping or erosion was noted. The outslopes of both disposal areas appeared stable and in good condition. Both areas have small stockpiles of material to be spread. The stockpiles showed no evidence of significant erosion or sediment transport. Examples of the surfaces of the pads and stockpiles can be seen in Photos Six and Seven.

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PHOTOGRAPHS



Photo One: View East, showing the upper portion of Reach 10 as it runs along the south side of the URDA. The ditch is free from obstruction and in good condition.



Photo Two: View East, showing the portion of Reach 10, below the shoulder of the URDA, that suffered rock transport and exposed the geotextile during a recent precipitation event.

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Photo Three: View East, showing the rock lined section of Reach 13 at the toe of the LRDA and the catchment sump that ditch reports to.



Photo Four: View South, showing the Main Sediment Pond at the King II Facility. The sediment pond had increased water levels, but no evidence of discharge was noted.

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Photo Five: View South, showing the Hazardous Materials Storage Area at the King II Facility. All materials stored in the area had adequate secondary containment and were properly labeled.



Photo Six: View East, showing the compacted pad and small stockpile located on the LRDA.

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Photo Seven: View East, showing the compacted pad and stockpile of refuse material on the URDA.

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