




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

1313 Sherman Street, Room 215, Denver, CO 80203 P 303.866.3567 F 303.832.8106 <http://mining.state.co.us>

**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-035 <b>Mine Name:</b> King Coal Mine <b>Operator:</b> GCC Energy, LLC <b>Operator Address:</b> Mr. Tom Bird 6473 County Road 120 Hesperus, CO 81326	<b>County:</b> La Plata <b>Operation Type:</b> Underground <b>Permit Status:</b> Active <b>Ownership:</b> Federal
	<b>Operator Representative Present:</b>  Jordan McCourt
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> November 8, 2018 <b>Inspection Start Time:</b> 08:00 <b>Inspection End Date:</b> November 8, 2018 <b>Inspection End Time:</b> 15:00		<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>	
<b>Inspector(s):</b>  Brock F. Bowles	<b>Inspector's Signature:</b>    <b>Signature Date:</b>  November 15, 2018		

**Inspection Topic Summary**

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

N - Air Resource Protection

R - Availability of Records

N - Backfill &amp; Grading

N - Excess Spoil and Dev. Waste

N - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

N - Gen. Compliance With Mine Plan

R - Other

R - Processing Waste

R - Roads

N - Reclamation Success

N - Revegetation

N - Subsidence

N - Slides and Other Damage

N - Support Facilities On-site

R - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

R - Topsoil

**COMMENTS**

This was a complete inspection of the King I and II Mines conducted by Brock Bowles of the Colorado Division of Reclamation Mining and Safety. Jordan McCourt of GCC Energy was present for the entire inspection. The weather conditions were sunny, cool and windy. The ground was dry and the temperature was approximately 50F.

**AVAILABILITY OF RECORDS – Rule 5.02.4(1):**

All required records were on file and available for review at the mine office. No problems were noted with the records review. Please see the availability of records checklist at the end of this report.

**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:

**King I -**

Reach 1, 5, 9, 10 and 11 were clear of obstructions

The west pond did not contain water and the embankment appeared stable (photo 1).

The east pond did not contain water and the embankment appeared stable.

**King 2 -**

Clear water ditch CWD-1A was free of obstructions.

The east clear water ditch, CWD--2 was free of obstructions.

Culverts C11, C12, C14, C15, C16 and C17 were free of obstructions.

The inlets to C5 (photo 2) and C13 had sediment built up and need to be cleaned.

The inlets next to the crusher (C8) and next to the substation (C10) need to be cleaned.

The cattle guard and catch basin were in working order.

Pond 1 did not contain water and the embankment appeared to be stable.

**OTHER (SPECIFY):****King I -**

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2

The fuel tank was in a spill containment device (photo 3).

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

Drainage Control; Surface Stabilization; Placement:

King I-

Coal waste was being hauled from King II to King I with a haul truck. A dump truck then hauled the waste to the top of the waste pile.

**ROADS – Rule 4.03**

Construction 4.03.1(3)/4.03.2(3), Drainage 4.03.1(4)/4.03.2(4), Surfacing and Maintenance 4.03.1(5) and (6)/4.03.2(5) and (6), Reclamation 4.03.1(7)/4.03.2(7):

King I -

The haul road was well maintained. The silt fence on the east side was in working order. The wattles on the west side of the road need to be repaired (photo 4).

**SIGNS AND MARKERS – Rule 4.02:**

The mine entrance sign was in place.

The disturbance boundary signs/markers were in place.

**TOPSOIL – Rule 4.06**

Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

King I -

The plant growth material pile had a sign and the ring ditch was in good condition.

King II -

Topsoil pile #1 sign on east side needs to be facing out from pile and moved to north end where the roadway meets the pile. The ring ditch on the north east side of the pile needs to be repaired.

Topsoil pile #2 ring ditch was in good condition and signs were in place.

**ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were initiated as a result of this inspection, nor are any pending.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 2

**PHOTOGRAPHS**



Photo 1 – King I West Pond



Photo 2 – King II Culvert C5 Inlet



Photo 3 – King I Fuel Tank



Photo 4 – King I Haul Road Wattles

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**AVAILABILITY OF RECORDS****PERMIT RECORDS**

DRMS Permit	X – 2022
Permit Application w/Revisions	X
Findings Document	X - RN7
Insurance Certificate	X – 9/2019
Bond Document	X
Phased Bond Release	NA
Documents/Findings	
Air Emission Permits	X
County Special Use Permits	X
UG Mining Landowner Notification	X
Subsidence Monitoring Reports	X – 3 <sup>RD</sup> 2018
Subsidence Monitoring Data	NA
Rill & Gully Survey	NA
Vegetation Monitoring Data	NA
Specific Variance Approvals	NA
Annual Reclamation Reports	X – 2017
Midterm Review Documents	X – MT7
DRMS/OSM Inspection Reports/Enforcement Actions (3 Years)	X – 10/2018
Transfers/Succession of Operator	X
Temporary Cessation Notification	NA
Reclamation Cost Estimate	X – RN7
<b>CERTIFICATIONS</b>	
Pond Certifications	X
Annual Certifications for Impoundments	X – 9/2017
Fill Certifications for Excess Spoil or Underground Development Waste	X
• Quarterly Inspections	X – 3 <sup>RD</sup> 2018
• Compaction Testing	X – 2 <sup>ND</sup> 2018
• Final Certification	NA
Coal Processing Waste Banks	NA
Haul Road Certifications	X
Access Road Certifications	X

**HYDROLOGIC RECORDS**

NPDES Permit	X- ADMIN EXT
NPDES Records	X – 2 <sup>ND</sup> 2018
Stormwater Management Plan	X
SPCC Plan	X
MSHA Pond Inspections	NA
	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	X – 3 <sup>RD</sup> 2018
Annual Hydrology Reports	X – 2017
• Ground Water Monitoring	X – 3 <sup>RD</sup> 2018
• Surface Water Monitoring	X – 3 <sup>RD</sup> 2018
• Spring & Seep Monitoring	NA
• Mine Water Discharge Monitoring	NA
• Mine Inflow Study	NA
• Water Consumption Records	X
Well Permits	X

**BLASTING RECORDS**

Blasting Publication	NA
Blasting Records (3 years)	NA
ATFE Explosives Permit	NA
Blasting Variances	NA
Pre-Blast Surveys	NA

**ADDITIONAL RECORDS (specify)**


**COMMENTS:**


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