




PERMIT INFORMATION

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

INSPECTION INFORMATION

Inspection Start Date: July 17, 2018 Inspection Start Time: 08:00 Inspection End Date: July 17, 2018 Inspection End Time: 13:00		Inspection Type: Coal Complete 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): Brock F. Bowles	Inspector's Signature:  Signature Date: July 24, 2018		

Inspection Topic Summary

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

N - Air Resource Protection	N - Roads
R - Availability of Records	R - Reclamation Success
N - Backfill & Grading	N - Revegetation
N - Excess Spoil and Dev. Waste	N - Subsidence
N - Explosives	N - Slides and Other Damage
N - Fish & Wildlife	N - Support Facilities On-site
R - Hydrologic Balance	N - Signs and Markers
N - Gen. Compliance With Mine Plan	N - Support Facilities Not On-site
N - Other	N - Special Categories Of Mining
R - Processing Waste	N - 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. Tom Bird of GCC Energy was present for the entire inspection. The weather conditions were sunny and warm. The ground was damp and the temperature was approximately 85F. The King II area received 1.4" of rain in 1 hour the day before this inspection. A crew was working to clean the culverts and ditches that were filled with sediment during the storm.

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 1-

The amount of precipitation from the recent rain event was not recorded at the King I Mine. It appeared that the King I Mine area received less precipitation.

East and West Ponds contained water but were not discharging. The mud and debris lines indicate that both ponds contained all the water from the recent rain event (photo 1).

A pipe joint on Reach 3 (clear water) has separated and needs to be repaired (photo 2).

Sediment on Reach 1, by the road switchback, needs to be cleaned.

Both inlets for Reach 7 were filled with debris and need to be cleaned (photo 3).

Reach 2, 9, 10, 11 were clear of obstructions.

The sediment control structures along the SAE #1 haul road were working. The berms in this area are not well defined and need to be re-built (photo 4).

King 2-

Culvert C16 was blocked by sediment and was being cleaned with pressurized water from a truck (photo 5).

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1

The check dams in ditch ID-3, along the road to the main fan, were full of sediment and need to be cleaned (photo 6).

Ditch ID-6 was in good condition.

The inlet to C10 (substation drop) was clear of debris.

The clear water ditch north of topsoil pile #2 was filled with organic debris. The debris forced the water over the berm and into the treated water Basin E area. The debris in the clear water ditch should be cleaned.

The sediment pond contained water but was not discharging. The mud and debris line indicated that the pond contained all the water from the storm (photo 7). A gully has formed on the northeast corner of the sediment pond where water flowed from the facilities area into the pond. The gully needs to be reinforced to prevent further erosion (photo 8).

The inlets to culverts C3, C5, C8, C9, C12, C13.

The clear water ditch CWD-1A was filled with sediment by culvert C5 and overflowed into culvert C5 (photo 9).

This section of the clear water ditch needs to be cleaned and the berm repaired.

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

Drainage Control; Surface Stabilization; Placement:

The top of the refuse pile appeared to be stable.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

A patch of toadflax was noted growing on the west end of the topsoil pile #2 (photo 10). Toadflax is a List B noxious weed and needs to be treated.

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



Photo 1 – East Pond



Photo 2 – Pipe Separation on Reach 3

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Photo 3 – Reach 7 Inlet Needs Cleaning



Photo 4 – Berm Needs to be Re-Built



Photo 5 – Culvert C16 Being Cleaned



Photo 6 – Check Dams in Ditch ID-3



Photo 7 – Sediment Pond



Photo 8 – Gully on NE Corner of Sediment Pond

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Photo 9 – Inlet to Culvert C5



Photo 10 – Toadflax on Topsoil Pile 2 Berm

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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-9/2018
Bond Document	X
Phased Bond Release	NA
Documents/Findings	
Air Emission Permits	X
County Special Use Permits	
UG Mining Landowner Notification	X
Subsidence Monitoring Reports	X
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	X-6/2018
Reports/Enforcement Actions (3 Years)	
Transfers/Succession of Operator	X
Temporary Cessation Notification	NA
Reclamation Cost Estimate	X-RN7
CERTIFICATIONS	
Pond Certifications	X
Annual Certifications for Impoundments	X-9/2017
Fill Certifications for Excess Spoil or Underground Development Waste	X
• Quarterly Inspections	X-2Q/2018
• Compaction Testing	X
• Final Certification	NA
Coal Processing Waste Banks	NA
Haul Road Certifications	X
Access Road Certifications	X

HYDROLOGIC RECORDS

NPDES Permit	X-*
NPDES Records	X – Q1/2018
Stormwater Management Plan	X
SPCC Plan	X
MSHA Pond Inspections	NA
	NA
State Engineer's Pond Inspection	
Quarterly Pond Inspections	X-2Q/2018
Annual Hydrology Reports	X-2017
• Ground Water Monitoring	X-2Q/2018
• Surface Water Monitoring	X-2Q/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:* - June 2013 admin extension

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