




**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>  None
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> February 26, 2018 <b>Inspection Start Time:</b> 12:29 <b>Inspection End Date:</b> <b>Inspection End Time:</b>		<b>Inspection Type:</b> Aerial 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>  Harry B. Ranney	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  3/1/2018

**Inspection Topic Summary**

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

N - Air Resource Protection

R - Roads

N - Availability of Records

N - Reclamation Success

N - Backfill &amp; Grading

R - Revegetation

R - Excess Spoil and Dev. Waste

N - Subsidence

NA - Explosives

R - Slides and Other Damage

N - Fish &amp; Wildlife

R - Support Facilities On-site

R - Hydrologic Balance

N - Signs and Markers

N - Gen. Compliance With Mine Plan

NA - Support Facilities Not On-site

N - Other

NA - Special Categories Of Mining

NA - Processing Waste

R - Topsoil

**COMMENTS**

The King Coal Mine was photographed from an airplane by Harry Ranney of DRMS on February 26, 2018. The weather was clear. The photos were reviewed by Rob Zuber of DRMS on March 1, 2018, resulting in the following report.

**EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09**

Placement; Drainage Control; Surface Stabilization:

The Refuse Pile was inspected, and no slumps, erosion, or other problems were seen. However, snow precluded a thorough 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:

At the King I Mine, the West Pond and East Pond were holding snow. There were no signs of discharge. No problems were seen with the embankments.

At the King I Mine, no problems were seen with any ditches. Particular attention was given to Reaches 1, 6, and 13.

The East and West Clearwater Ditches at King II appear to be functioning well; no signs of erosion or other problems were seen. The King II pond was dry. No issues were found with the embankment.

The silt fence southwest of the King II pond appears to be functioning well since there are no signs of sediment loading below this BMP.

Number of Partial Inspection this Fiscal Year: 7Number of Complete Inspections this Fiscal Year: 2

**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):

No problems were seen with King I or King II roads.

**REVEGETATION – Rule 4.15**

Vegetative Cover; Timing:

No problems were seen with the vegetation reference area near the topsoil stockpile that is north of the Coal Stack Tube #2.

**SLIDES and DAMAGE - Rule 4.12:**

The steep slopes at both King I and King II appeared stable. These include highwalls near former portal areas at King I and highwalls near existing portals at King II.

**SUPPORT FACILITIES - Rule 4.04:**

No problems with sediment were seen on the hill below the fan construction area at King II, nor were other problems seen at the rest of the facilities areas at either King I or King II.

**TOPSOIL – Rule 4.06**

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

At King I, the berm around the Plant Growth Medium Storage Area near the old Tipple Bench appears to be functioning well. No problems were identified with the Plant Growth Medium Storage Area above the Refuse Pile.

No problems were seen with the Topsoil Stockpiles at King II. They appear to be well vegetated, and there are no signs that the soil has been transported off the piles by runoff.

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### **ENFORCEMENT ACTIONS/COMPLIANCE**

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

### **PHOTOGRAPHS**

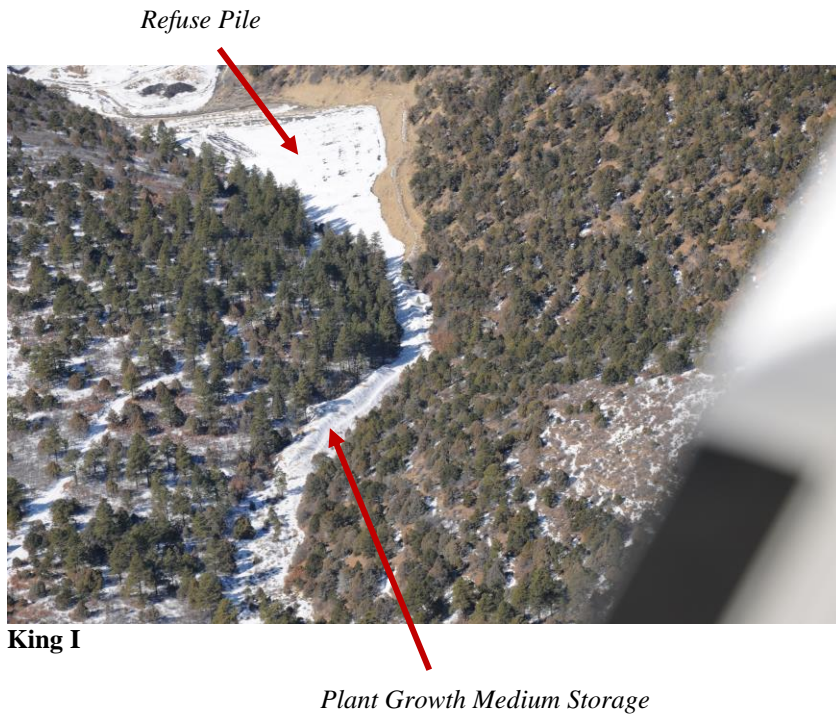


**King I**

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**King II topsoil stockpile**

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 2



**King II lower portion**



**King II upper portion**

Number of Partial Inspection this Fiscal Year: 7

Number of Complete Inspections this Fiscal Year: 2