



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

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: None
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: June 14, 2017 Inspection Start Time: 10:00 Inspection End Date: Inspection End Time:		Inspection Type: Aerial 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): Harry B. Ranney	Inspector's Signature: <i>Phet D. Zh</i>		Signature Date: 6/20/2017

Inspection Topic Summary

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

Y - Air Resource Protection

N - Availability of Records

Y - Backfill & Grading

R - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

NA - Processing Waste

R - Roads

Y - Reclamation Success

Y - Revegetation

R - Subsidence

Y - Slides and Other Damage

R - Support Facilities On-site

N - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

R - Topsoil

COMMENTS

The King Coal Mine was photographed from an airplane by Harry Ranney of DRMS on June 14, 2017. The majority of photos (but not all) were taken of the affected portion of the permit area where there are few surface facilities related to the King Coal Mine. The purpose of photographing the affected area was to look for evidence of subsidence from the underlying workings. The weather was clear.

The photos were reviewed by Rob Zuber of DRMS on June 20, 2017 resulting in the following report.

EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09

Placement; Drainage Control; Surface Stabilization:

The upper (un-reclaimed) portion and the lower portion of the Refuse Pile were inspected, and no problems were seen. Waste material that was temporarily stored below the pile has been moved to the pile and needs to be graded and compacted.

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 was inspected. It appeared to be dry and not discharging. No significant problems were seen with the embankment.

At the King I Mine, no problems were seen with any ditches. Particular attention was given to Reaches 6, 9, and 10.

At King II, along the haul road and near the sediment pond, the line of silt fence appears to be effective in

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preventing material from being washed by runoff into the vegetation below.

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 appeared dry. No issues were found with the embankment.

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.

SUBSIDENCE – Rule 4.20:

No damage from subsidence was seen in any of the affected areas. Roads and reservoirs (especially Huntington irrigation pond) were given extra scrutiny.

SUPPORT FACILITIES - Rule 4.04:

No problems were seen at the King I or King II facilities areas.

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. In aerial photos one can see where this resource has been washed off the pile in the past; this fact provides additional justification for the berm.

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.

ENFORCEMENT ACTIONS/COMPLIANCE

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

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PHOTOGRAPHS



Area south of King I facilities, including Huntington pond



Area southwest of King I facilities

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Huntington irrigation pond



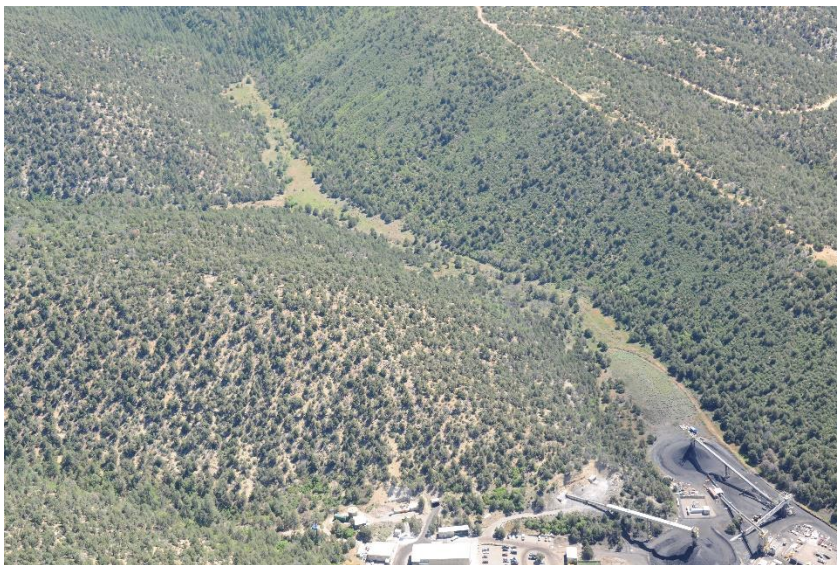
King I surface facilities

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King II facilities and western portion of permit area



Area north of King II facilities

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King II affected area (northeast of surface facilities)



King II affected area (north and east of surface facilities)

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