



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

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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: August 29, 2017 Inspection Start Time: 15:00 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: 	Post Inspection Contacts:
Inspector(s): Harry B. Ranney	Inspector's Signature: <i>Robert D. Z...</i> Signature Date: 9/6/2017

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

N - Reclamation Success

N - Revegetation

R - Subsidence

R - 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 August 29, 2017. The majority of photos were taken of facilities related to the King Coal Mine. The weather was clear.

The photos were reviewed by Rob Zuber of DRMS on September 6, 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 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 and East Pond were inspected. They appeared to be dry and not discharging. The pasture below the pond spillways showed no sign of discharges from the ponds in recent weeks. No significant 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, 5, and 10.

The West Clearwater Ditch at King II appears to be functioning well; no signs of erosion or other problems were seen. The East Clearwater Ditch could not be observed well due to the camera angle.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

The King II pond was holding a small amount of water. 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 the affected areas near King II. The areas seen in the photographs are approximately one half mile from the King II facilities or closer. (Very little area above the old King I workings was photographed.)

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 existing highwalls at King II.

SUPPORT FACILITIES - Rule 4.04:

No erosion or other 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.

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.

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1

PHOTOGRAPHS



Refuse Pile at King I

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



King I facilities area



Lower part of King I with ponds and entrance road

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



King II



King II pond and West Clearwater Ditch

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1



King II stack tubes, new fan area, topsoil stockpile, and other facilities



A portion of King II affected area

Number of Partial Inspection this Fiscal Year: 2

Number of Complete Inspections this Fiscal Year: 1