



**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY  
COAL PROGRAM INSPECTION REPORT**



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-037 <b>Mine Name:</b> GEC Strip Mine <b>Operator:</b> GEC Minerals <b>Operator Address:</b> Dr W Corley 2605 Constellation Drive Colorado Springs, CO 80906	<b>County:</b> Fremont <b>Operation Type:</b> Surface <b>Permit Status:</b> Revoked <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  NA
<b>Operator Representative Signature:</b> (Field Issuance Only)  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> August 24, 2012 <b>Inspection Start Time:</b> 16:00 <b>Inspection End Date:</b> August 24, 2012 <b>Inspection End Time:</b> 17:30	<b>Inspection Type:</b> Coal Complete Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Raining
<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>  Janet H. Binns	<b>Inspector's Signature:</b>  <b>Signature Date:</b>  9/6/2012

**Inspection Topic Summary**

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

NA - Air Resource Protection

NA - Availability of Records

Y - Backfill &amp; Grading

NA - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish &amp; Wildlife

R - Hydrologic Balance

NA - Gen. Compliance With Mine Plan

NA - Other

NA - Processing Waste

R - Roads

R - Reclamation Success

R - Revegetation

NA - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

NA - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

Y - Topsoil

**COMMENTS**

This was a complete inspection conducted by Janet Binns of CDRMS. The GEC mine is a reclaimed surface mine. The mine permit was revoked and the bond forfeited. Reclamation was completed by the operator and the Division.

Weather was cloudy with a light rain shower occurring during the inspection. There was evidence throughout the site that a sizable rain event had occurred recently. The mine surface was damp,

FISH and WILDLIFE – Rule 4.18:

One Mule deer doe was encountered along the access road to the East pit.

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:

The sediment pond has runoff flow across it. Vegetation that has established in the sediment pond sediments serve to slow the flow down and allow much of the sediment to drop out on the south side of the sediment pond area.

There was no evidence of new trespass or vehicles driving on the pond area.

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):

There is a sediment fan that has deposited on County Road 92 at the locked green gate located west of the GEC sediment pond.

The inspector walked the north road side ditch To discern the source of the sediment. Some of the recent sediment appeared to have been washed down from the undisturbed area and historic reclaimed disturbances located west FCR92.

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 1

A road cut alongside the west side of FCR92 also exhibits recent rilling. It appears that this bank is one of the sources of the sediment deposited near the gate. This cut bank on the road is located north of the neighboring Southfield permit boundary. There is very little sediment in the ditch to the south of this cut bank.

A new gully appears to be forming on the south side of FCR92. Sediment from this location ends up in the drainage on the south side of the county road.

#### RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The majority of the reclaimed mine appear to have established stable vegetation that can withstand intense summer rainstorms. Other locations of the mine continue to contribute sediment into the ditch and sediment control system.

#### REVEGETATION – Rule 4.15 Vegetative Cover; Timing:

The summer growing season has exhibited very dry conditions. Precipitation events from recent thunderstorms have occurred fairly late in the growing season. However, adapted plant species, and particularly warm season grasses appear to be greening up and able to utilize the recent precipitation.

Although, some areas of the reclaimed mine exhibit thin vegetative cover, bare areas were not widespread or frequent. Some slopes in the east and west pit still show evidence of sediment movement on areas of thinner vegetative cover.

Noxious weeds do not appear to be establishing or problematic. The previously noted and pulled Knapweed along the access road appears to not be spreading.

#### SLIDES and DAMAGE - Rule 4.12:

Gullies on Chens Hill still have plants growing in the bottom of the gullies. There is evidence of some additional sediment deposition in the ditch at the bottom (west side) of the slope from the larger gullies on the west side of Chens Hill.

Access road to the East and West pits shows some additional cutting at the turn to the east (SW corner of Chens Hill). Additional sediment has been deposited at the drainage across the road at the north end of the East pit.

The large gully along the access road located between the east and west pits continues to erode.

No apparent new gully features were observed in the East pit.

#### **DOCUMENTS RECEIVED NA**

#### **OTHER (SPECIFY)**

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**ENFORCEMENT ACTIONS/COMPLIANCE**

This a revoked site whose bond has been forfeited to DRMS.

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## PHOTOGRAPHS



Photo 1: road ditch on W side of FCR92  
Note sediment in bottom.



Photo 2: FCR92 west ditch, inflow from slope  
West of FCR92.



Photo 3: Cut bank that appears to be contributing  
Additional sediment along west side of FCR92



Photo 4: Cut bank west of FCR92



Photo 5: west side of Chen's hill



Photo 6: slope west of FCR92.

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