




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



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1982-056 <b>Mine Name:</b> Foidel Creek Mine <b>Operator:</b> Twentymile Coal, LLC <b>Operator Address:</b> Mr Jerry Nettleton 29515 Routt County Road No. 27 Oak Creek, CO 80467	<b>County:</b> Routt <b>Operation Type:</b> Underground <b>Permit Status:</b> Active <b>Ownership:</b> Federal
	<b>Operator Representative Present:</b>  Brian Watterson
<b>Operator Representative Signature: (Field Issuance Only)</b>  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> September 18, 2013 <b>Inspection Start Time:</b> 13:00 <b>Inspection End Date:</b> September 18, 2013 <b>Inspection End Time:</b> 16:00		<b>Inspection Type:</b> Coal Partial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Cloudy	
<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>  Jason D. Musick	<b>Inspector's Signature:</b> 		<b>Signature Date:</b>  09/24/2013

<b>Inspection Topic Summary</b>	
NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable	
<b>Y</b> - Air Resource Protection <b>N</b> - Availability of Records <b>N</b> - Backfill & Grading <b>NA</b> - Excess Spoil and Dev. Waste <b>N</b> - Explosives <b>Y</b> - Fish & Wildlife <b>R</b> - Hydrologic Balance <b>Y</b> - Gen. Compliance With Mine Plan <b>N</b> - Other <b>N</b> - Processing Waste	<b>R</b> - Roads <b>N</b> - Reclamation Success <b>N</b> - Revegetation <b>N</b> - Subsidence <b>NA</b> - Slides and Other Damage <b>Y</b> - Support Facilities On-site <b>N</b> - Signs and Markers <b>NA</b> - Support Facilities Not On-site <b>NA</b> - Special Categories Of Mining <b>N</b> - Topsoil

### **COMMENTS**

This was a partial coal inspection of the Foidel Creek Mine conducted by Jason Musick of CDRMS. Brian Watterson of TC accompanied the inspection. The weather was cloudy and the site was wet throughout. There were no coal trains observed during the inspection. At the time of the inspection the longwall was mining in the 13 LT panel with one continuous miner active in the 14 LT outby and the other developing the 11MN gate road as permitted. No outstanding permitting actions are on-going with the exception of the review of Permit Renewal No. 6. This inspection focused on the permitted sedimentation ponds associated with the main facilities area.

#### **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: Ponds B, C, D, E, F, The Pit Pond and G were observed during the inspection. Discharge was noted at Ponds B, D, and E.

Pond B was holding water with a slight discharge through the 6" flume. The embankments were stable and well vegetated at the time of the inspection. The southeast sediment basin was recently cleaned out. No issues were identified with Pond B or the surrounding area, with the exception of the following:

- The access road to Pond B displayed heavy erosion due to recent precipitation events. No evidence of run-off to Foidel Creek was noted as the run-off was flowing into the Northwest sediment basin. However, this road will require maintenance.
- The ditch east of the railway requires maintenance to remove excess sediment and flow to Pond B.
- The lower end of the ditch and associated rock check dams west of the BOB Pile has failed. The coal fines were contained in the area by the Southeast sediment basin and the ditch along the railway; however this area will require maintenance to clear coal fines that have built up and to re-establish the ditch.

Pond C was holding a small pool of water with no discharge. Embankments were stable and well vegetated. The primary and emergency spillways were stable with no problems noted. No issues were identified with Pond C and the surrounding area with the exception of the following:

- The truck load out pad outslope above Pond C has developed a large slump. The identified slump is above Pond C and wasn't currently at risk to generate off-site impacts. The stability of the pad will need to be assessed and

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repaired as needed.

Pond D was holding water and discharging at ~.39 through the 1' flume. The discharged water appeared cloudy at the time of the inspection. The primary and emergency spillways were stable with the primary outlet functioning as designed. The sediment delta at the inlet from the area of the RDA has been cleared. The embankments were stable and well vegetated and no problems were noted, with the exception of the following:

- The silt fence between the conveyor and the Pond D discharge is damaged. Re-establishment of the silt fence will be required to ensure the function of the fence.
- Heavy erosion from the Haul Road between the Pit and Pond D into Pond D was observed. This area will require maintenance.



Pond D Outlet



Pond D

The Pit Area Pond was holding water and discharging into Pond D at the time of the inspection. A small amount of discharge was noted from the RDA underdrain into the Pit Pond. No problems were noted with the exception of the following.

- Non-coal waste (old logs) was observed in the ditch from the Pit Pond to Pond D. This waste will need to be removed.

Pond E was holding water with clear discharge at the time of the inspection. The large sediment delta observed during the August 2013 inspection has been addressed. A small amount of sediment remains along the banks of the eastern cell and around the inlet. The inlet culvert is functioning, but is damaged at the outlet going into the pond. The embankments were stable and well vegetated at the time of the inspection. The primary outlet and emergency spillway were stable with no problems noted.

- The primary outlet was recently replaced. The disturbance area due to the replacement displayed heavy thistle growth at the time of the inspection.

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Pond E Inlet



Pond E remaining sediment

Pond F was holding water with no discharge at the time of the inspection. The embankments were stable and well vegetated at the time of the inspection. The primary outlet and emergency spillway were stable with no problems noted.

Pond G was holding water with no discharge at the time of the inspection. The embankments were stable and well vegetated at the time of the inspection. The primary outlet and emergency spillway were stable with no problems noted.



Pond C



Pond B

#### 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):

Maintenance work was being conducted along Haul Road C and the Brown Palace access road to clear the roadside runoff culvert and small sediment sump. The work generated heavy disturbance along the road side. The

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Division understands the there is a buffer from the approved disturbance and actual disturbance associated with the roads.

- Ongoing maintenance issues should be monitored to ensure that additional or unapproved disturbance is not conducted.



Culvert Cleanout

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**ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions are pending and none were taken as a result of this inspection.

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