



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



PERMIT INFORMATION

Permit Number: C-1981-020 Mine Name: Munger Canyon Mine Operator: CAM Mining, LLC Operator Address: Mr. Corey Heaps P.O. Box 98 Loma, CO 81524	County: Garfield, Mesa Operation Type: Underground Permit Status: Permanent Cessation Ownership: Federal
	Operator Representative Present: None
Operator Representative Signature: (Field Issuance Only) 	

INSPECTION INFORMATION

Inspection Start Date: May 29, 2013 Inspection Start Time: 09:15 Inspection End Date: May 29, 2013 Inspection End Time: 11:30		Inspection Type: Coal Partial Inspection Inspection Reason: Normal I&E Program Weather: Cloudy	
Joint Inspection Agency: None		Joint Inspection Contacts: 	
Post Inspection Agency: None		Post Inspection Contacts: 	
Inspector(s): Michael P. Boulay Carla V. DeMasters	Inspector's Signature: <i>Michael P. Boulay</i>		Signature Date: 5/31/13

Inspection Topic Summary

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

N - Air Resource Protection
N - Availability of Records
N - Backfill & Grading
N - Excess Spoil and Dev. Waste
N - Explosives
R - Fish & Wildlife
R - Hydrologic Balance
Y - Gen. Compliance With Mine Plan
NA - Other
Y - Processing Waste

Y - Roads
R - Reclamation Success
R - Revegetation
N - Subsidence
N - Slides and Other Damage
N - Support Facilities On-site
N - Signs and Markers
N - Support Facilities Not On-site
N - Special Categories Of Mining
N - Topsoil

COMMENTS

This was a partial inspection of the Munger Canyon Mine conducted on May 29, 2013 by Mike Boulay and Carla DeMasters of the Division of Reclamation, Mining, and Safety (DRMS). There was no operator/representative from Munger Canyon Mine present during the inspection. Weather conditions were cloudy and cool. Ground conditions were damp from a rainstorm that passed through the area during the night prior to the inspection.

Eric Mohr and Lisa Garrison of Cedar Creek Associates, Inc. were on-site to do Phase II vegetation monitoring and we met with them briefly at the site following our inspection. There was no other activity at the site during this inspection.

FISH and WILDLIFE – Rule 4.18:

The skeletal remains of a large Mountain Lion were found along the light use road near the north branch of Munger Creek (see Photograph No. 1).

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:

East Salt Creek was flowing with turbid water. Munger Creek had no flowing water. The waste disposal area sediment pond was dry. The pond inlet, embankment, and discharge structures were all stable. Culverts along the reclaimed haul road are in good condition with no problems noted.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

The majority of the site is reclaimed and the reclamation has held up well. The lower portion of the reclaimed

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portal bench access road was inspected (see Photograph No. 2.) The reclamation looks very good and there has been minimal erosion since the reclamation was completed in 2007. The shrubs, perennial grasses and forbs are well established on the lower portion of the reclaimed portal bench access road. Rock lined drainage channels along the access road are in good condition.

REVEGETATION – Rule 4.15

Vegetative Cover; Timing:

There were no signs of significant erosion or instability noted during this inspection and the site appears well maintained; however, three species of noxious weeds were identified at the lower elevations of the site. Halogeton (Colorado List C Noxious Weed) was growing in the roadbed in several spots along the reclaimed haul road (see Photograph No. 3). Whitetop (AKA hoary cress, Colorado List B Noxious Weed) was noted in several areas primarily around the cover soil pile and waste disposal site. See Photograph No. 4 taken on the west side of the waste disposal site. A small patch of jointed goatgrass (Colorado List B Noxious Weed) was identified along the reclaimed light use road that previously accessed the emergency drill hole (see Photograph No. 5). To ensure compliance please spray or otherwise manage these noxious weeds identified in this inspection report in accordance with the weed management plan of the approved permit.

A good mix of desirable shrubs, perennial grasses and annual/biennial and perennial forbs were present on the lower portion of the reclaimed access road. Some of the species observed included shrubs (rubber rabbitbrush, winterfat, big sagebrush, fourwing saltbush and shadscale), perennial grasses (western wheatgrass, crested wheatgrass, basin wildrye and sand dropseed) and native perennial forbs (Palmer penstemon, northern sweetvetch and blue flax). The annual forb alyssum and moderate amounts of cheatgrass were also observed here.

DOCUMENTS RECEIVED

None

OTHER (SPECIFY)

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ENFORCEMENT ACTIONS/COMPLIANCE

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

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PHOTOGRAPHS



Photo No. 1 - Mountain Lion Skeleton.



Photo No. 2 – Revegetation on lower portion of reclaimed access road.

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Photo No. 3 - Halogeton on reclaimed haul road.



Photo No. 4 - Whitetop between waste disposal site and cover soil pile.



Photo No. 5 - Jointed goatgrass at reclaimed light use road.

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