




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



PERMIT INFORMATION

Permit Number: X-2005-109-11 Mine Name: Colowyo 2005 Reserve Def Drilling Program Operator: Kennecott Energy - Colowyo Mine Operator Address: Mr Chris McCourt 5731 State Highway 13 Meeker, CO 81641	County: Moffat Operation Type: Coal exploration Permit Status: Inactive Ownership: Federal
Operator Representative Present: Tony Tennyson, Kurt Blunt	
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: June 12, 2013 Inspection Start Time: 08:00 Inspection End Date: June 19, 2013 Inspection End Time: 14:00		Inspection Type: Coal Exploration Inspection Inspection Reason: Surety Release Requested Weather: Clear	
Joint Inspection Agency: None		Joint Inspection Contacts:	
Post Inspection Agency: None		Post Inspection Contacts:	
Inspector(s): Elliott R. Russell	Inspector's Signature: 		Signature Date: 6/27/2013

Inspection Topic Summary	
NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable	
N - Air Resource Protection N - Backfill & Grading N - Fish & Wildlife N - Hydrologic Balance N - Gen. Compliance With Mine Plan N - Other	Y - Roads R - Reclamation Success Y - Revegetation N - Slides and Other Damage Y - Signs and Markers N - Topsoil

COMMENTS

This was a coal exploration bond release inspection of X-2005-109-11 conducted by Elliott Russell of the Division of Reclamation, Mining and Safety (Division). A request for bond release, from Chris McCourt of Colowyo Coal Company, was received by the Division on May 10, 2013. This inspection was conducted with the inspections of X-2006-109-13, X-2005-109-12, X-2004-109-10, X-2003-2009-09, and X-1982-174-18 during June 12th, 13th, 14th, 18th, and 19th.

Tony Tennyson or Kurt Blunt, both of Colowyo Coal Company, accompanied the inspection.

The weather was clear and the ground was dry at the time of the inspection.

This NOI involved the drilling of 176 exploration holes at 98 sites. Two of the exploration holes were completed as monitoring wells, of which one has been transferred into the the Colowyo Mine's permit #C-1980-19 and has been accounted for in the reclamation bond of the permit. In addition, 21 of the 24 West Pit exploration series sites have been mined through and one of the three remaining sites, WP-05-01, has already been inspected with the bond release inspection of X- 1981-123-05.

Each site was navigated to using a Trimble Yuma unit, utilizing a final exploration map provided in the Final Reclamation Report. The sites were accessed by either access roads near the South Taylor Pit or Jub Creek and Collum roads off of Moffat County Road 32. The results of the inspection, including sample photographs of the sites, are provided below.

RECLAMATION SUCCESS - Rule 2.02(g) and 4.21.2(2):

All sites were well vegetated at the time of the inspection with some sites exhibiting more vegetation than others. All areas of disturbance showed no signs of erosion, evidence of noxious/invasive species, or any other problems as a result of exploration, except the following:

- Site **C-05-07** was dominated by Hoary cress, a List B noxious weed species, also known as Whitetop.
- Site **CHM-05-03** was dominated by Downy brome, a List C noxious weed species.
- Site **LW-05-08** was dominated by Houndstongue, a List B noxious weed species.

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0

- Site **LW-05-16** was dominated by Houndstongue, a List B noxious weed species.

The Division recommends the management of these noxious species and possibly reseeding the pads before the Division can release of bond associated with revegetating these pads.

Three 2" PVC pipes, approximately 8" tall, were located on **LW-05-08** and one was located on the east edge of **LW-05-11**. These will need to be removed to achieve final bond release.

The drill pad of **LW-05-15** was reclaimed and showed no signs of erosion, evidence of noxious/invasive species, or any other problems as a result of exploration, except for an open borehole that remains. This hole was located on the west side of the access road on Sherriff's Ridge, 10' north of the t-post marker for the pad. This hole is approximately 15' deep and 8" in diameter and will need to be properly sealed to achieve final bond release.

The drill pad of **C-05-33** was reclaimed and showed no signs of erosion, evidence of noxious/invasive species, or any other problems as a result of exploration, except for one monitoring well that remains.

The majority of all exploration the sites had an approved borehole marker, which was a metal t-post indicating where the hole was located. These posts had an aluminum tag with the site ID stamped into it.

Based on this inspection, the Division determines that the exploration activities associated with X-2005-109-11 have been adequately reclaimed, except vegetation at **Sites C-05-07, CHM-05-03, LW-05-08, and LW-05-16**, the PVC pipes at **Sites LW-05-08 and LW-05-11**, the open borehole at **Site LW-05-15**, and the monitoring well that remains at **Site C-05-33**. The Division recommends the release of all other exploration activities associated with this NOI.

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0

ENFORCEMENT ACTIONS/COMPLIANCE

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

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0

PHOTOGRAPHS



LW-05-10, example picture of site with a borehole marker



C-05-24, example picture of site where a borehole marker could not be found



CHM-05-01, example picture of tag on borehole marker

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0



C-05-07, Whitetop dominates reclaimed pad



CHM-05-03, Cheatgrass dominates reclaimed pad

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0



LW-05-08, Houndstongue dominates reclaimed pad. PVC pipes present at site



LW-05-16, Houndstongue dominates reclaimed pad

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0



C-05-33, 1 monitoring well remains



Two pictures of LW-05-15, open borehole found

Number of Partial Inspection this Fiscal Year: 0

Number of Complete Inspections this Fiscal Year: 0