



STATE OF
COLORADO

Musick - DNR, Jason <jason.musick@state.co.us>

Bowie No. 2 Mine, C-1996-083, First Quarter 2016 Waste Pile Inspection Report Review

1 message

Musick - DNR, Jason <jason.musick@state.co.us>

Wed, Jul 27, 2016 at 10:09 AM

To: Bill Bear <BBear@bowieresources.com>

Cc: Jim Stover <jestover@bresnan.net>, Tamme Bishop <tamme.jestover@bresnan.net>

Good morning Bill,

Attached is the Division's review of the 2nd quarter 2016 coal waste pile inspection report associated with gob piles at the Bowie No. 2 Mine.

Please let me know if you have any questions or comments.

Thanks,
Jason

Jason Musick
Environmental Protection Specialist III
Coal Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety

Department of Natural Resources

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COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

July 27, 2016

Bill Bear
Bowie Resources, LLC
P.O. Box 1488
Paonia, CO 81428

RE: **Bowie Resources, LLC, Permit C-1996-083**
First Quarter 2016 Coal Waste Pile and Instrumentation Inspection Report Review

Dear Mr. Bear:

The Colorado Division of Reclamation, Mining, and Safety (CDRMS) have found the above referenced report to be in compliance with CDRMS Regulations: 4.09.1(11) and 4.10.2(2), unless noted below.

The above referenced report was submitted by J.E. Stover and Associates, Inc (SAI) for Bowie Resources, LLC. The first quarter 2016 report was received via email on April 18, 2016, with one sublimental page submitted via email on July 27, 2016. SAI visited the site on March 21, 2016. Based on the report, SAI did not observe any signs of instability, structural weakness or hazardous conditions at the pile. The observations reflect observations with on-site inspections conducted by the Division of the Gob Piles. The report states that approximately 25,575 tons of waste coal were hauled to gob pile #2 and gob pile #3 during the quarter.

Approved Placement, Compaction, and Inspection requirements for Coal Mine Waste (Gob) are found in Volume IX, pp. 12-14 and Volume XI, pp. 8-9. The information provided in the subject report adequately addresses the requirements. ***Please see the highlighted text below for comments on the frequency of VWP monitoring.***

Compaction Testing

During this quarter, no compaction testing was completed.

Instrumentation Report

Three inclinometers are installed on the lowermost bench of Gob Pile #2; measurements are made quarterly. The results for this quarter indicate no significant movement has occurred. It is noted that



deflection was observed at BG05-7A near the top of the instrument and not further to the bottom. This deflection will be noted in the up-coming 2nd quarter 2016 report.

Vibrating Wire Piezometers (VWPs) are installed at Gob Pile #2 (5) and at Gob Pile #3 (also 5). The VWPs were installed and are monitored on a regular basis by Buckhorn Geotech (now by DOWL). In a letter dated April 10th, 2014, the Division directed BRL to increase the monitoring frequency from quarterly to monthly. BRL committed to the increase in a letter dated April 11th, 2014. Monthly monitoring was continued through Oct-2014, with an additional quarterly reading taken on January 6th, 2015 (representing the 4th Qtr). By Email on February 10th, 2015, the Division approved BRL's reverting to once per quarter through the 1st Quarter of 2016. ***VWP-06 showed a slight increase in pore pressure during the 1st Qtr with VWP-08 showing no change. The Division will continue to review the quarterly data, as soon as it is available, and determine then whether BRL should return to monthly monitoring of VWP-06 and -08 in the future.***

If you have any questions feel free to contact me. (303) 866-3567 ext 8134

Sincerely,

A handwritten signature in blue ink, appearing to read "Jason Musick", with a stylized flourish at the end.

Jason Musick
Environmental Protection Specialist

