



Kathleen G. Welt  
Environmental Engineer III  
[kwelt@archrsc.com](mailto:kwelt@archrsc.com)  
Phone: 970.929.2238

**Mountain Coal Company, LLC**

A subsidiary of Arch Resources, Inc.

West Elk Mine  
5174 Highway 133  
Somerset, CO 81434

January 07, 2020

Mr. Leigh D. Simmons  
Colorado Division of Reclamation, Mining and Safety  
Office of Mined Land Reclamation  
1313 Sherman Street, Room 215  
Denver, Colorado 80203

**Re: Mountain Coal Company, LLC, West Elk Mine; Permit No. C-1980-007;  
Quarterly Summary of Subsidence Observations; 4th Quarter 2020**

Dear Mr. Simmons:

Mountain Coal Company, LLC (MCC) began longwall mining the E-Seam in December 2008. MCC has completed longwall mining of longwall panels E1 through E8. MCC began longwall mining in panel LWSS1 in January 2020 and at the end of 2020, approximately two-thirds of the panel had been longwall mined.

There were no stock ponds within twice the angle-of-draw of the mined area during this quarter, and longwall mining did not occur within one mile of Monument Dam. Routine monthly inspections were conducted and inspection reports for Forest Service Roads, Stock Ponds, and Monument Dam are included with this letter report to document the inspection findings.

A subsidence basin occurred under South Prong Creek when the western-most Sunset Mains South entry was being developed where unanticipated saturated, unconsolidated roof materials collapsed into the mine entry. The stream was temporarily diverted and repaired as approved in revision numbers MR-452 and TR-148. Revision #TR-149 was submitted on December 30<sup>th</sup> to update the subsidence and hydrologic impacts modeling and projections in Exhibits 60E and 55B based on more recent topographic survey data. Included is a technical review of chimney-type roof collapse in mine development roadways.

Please don't hesitate to contact me at (970) 929-2238 or by e-mail should you have questions regarding this submittal.

Sincerely,

*Kathleen G. Welt*

Kathleen G. Welt  
Environmental Engineer III

Enclosures: Monument Dam Inspections – Fourth Quarter 2020  
US Forest Service Road Inspections – Fourth Quarter 2020  
Stock Pond Inspections – Fourth Quarter 2020

cc: D. Gray - USFS  
R. Munz – MCC  
J. Wilczek - MCC  
Availability of Records File