



STATE OF
COLORADO

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

2017 Annual Reclamation Report

Welt, Kathy <KWelt@archcoal.com>

Tue, Feb 13, 2018 at 2:04 PM

To: "Simmons - DNR, Leigh" <leigh.simmons@state.co.us>

Cc: "Norris, Weston" <WNorris@archcoal.com>, "Peacock, Michael J." <MPeacock@archcoal.com>

Attached is Mountain Coal's Annual Reclamation Report for 2017.

Do you need a hard-copy sent by US mail?

Kathy Welt,

Environmental Engineer III

Mountain Coal Company, LLC

West Elk Mine

5174 Highway 133

Somerset, CO 81434

Phone (970) 929-2238

Cell (970) 433-1022

Fax (970) 929-5050

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2017 ARR.pdf
257K

February 12, 2018

Mr. Leigh Simmons
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

**Re: Mountain Coal Company, LLC, West Elk Mine;
Permit No. C-1980-007;
Annual Reclamation Report for 2017**

Dear Mr. Simmons:

Mountain Coal Company, LLC (MCC) submits the attached annual reclamation report for 2017. The 8.96 disturbed acres includes 1.2 acres from pads and roads for four (4) exploration holes completed after approval of Minor Revision Nos. MR-423 (i.e. 17LC-01, 17LC-05 and 17LC-06 with 0.8 acres disturbed and reclaimed) and MR-424 (i.e. 17LC-07 with 0.4 acres disturbed and reclaimed). Also completed were eleven (11) drill pads and road segments that were constructed to complete twelve (12) mine ventilation boreholes (MVBs) (See Table I). The MVBs constructed this year were for longwall panel E7 and included MVBs E7-1 through E7-12.

In 2017, MCC plugged and abandoned eighteen (18) MVBs, one (1) former water monitoring well, and eight (8) older and recent exploration holes (see MR-427). Reclamation was completed on the four (4) exploration sites and roads approved by MR-423 and MR-424 (see above), as well as seven (7) MVB pads (for E5-09 and E5-12/13 through E5-18) and associated access roads (See Table II). The 8.96 acres of reclamation included regrading the sites and roads to the approximate original contour, as well as topsoiling, seeding and mulching. A copy of the seed mix invoice is attached.

If you have questions concerning this submittal, or require further information, please contact me at (970) 929-2238.

Sincerely,



Kathleen G. Welt
Environmental Engineer III

cc: W. Norris
M. Peacock

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for the Year 2017

West Elk Mine
Mine name

C-1980-007
Permit #

Mountain Coal Company, LLC
Permittee

Address: 5174 Highway 133, Somerset, Colorado, 81434

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly and accurately identified on a map included with the report.

Land Status Category	Last Year's Cumulative Total		This Calendar Year		Phase III Bond Release		Cumulative Total ¹
Acres disturbed	470.00	+	8.96	-	0.00	=	478.96
Acres backfilled and graded	75.43	+	10.86	-	0.00	=	86.29
Areas topsoiled	75.43	+	10.86	-	0.00	=	86.29

Seeding typically begins the minimum 10-year reclamation liability period. Please report the acres for each category below. Do not include acres that have achieved final, Phase III release.

Seeding typically begins the minimum 10-year reclamation liability	Last Year's Cumulative Total		This Calendar year		Phase III Bond Release		Cumulative Total ¹		10 years or less		Greater than 10 years ¹
Acres seeded*	75.47**	+	10.86	-	0.00	=	86.33	=	85.53	+	0.8

*include, if necessary, a description of any augmented seeding or cultural practices

**The number of acres seeded is slightly higher than the acres topsoiled to account for the reclamation of helicopter accessed drill pads and another site in 2010 and 2011 where no site preparation was needed, so no topsoil replacement was required.

For the Entire Life of Mine, the total number of acres disturbed 525.26 the total number of acres:

Phase I release 121.25

Phase II release 67.6

Phase III release 46.3

For Mines in Permanent Cessation:

Total acreage in facilities subject to reclamation but yet to be completed NA

For Government Performance and Results Act

Acreage in long-term mining or reclamation facilities² 392.67

Acreage in active mining areas³ N/A – West Elk Mine is an underground mine operation, so there are no pits or spoil stockpiles that are part of active mining areas.

¹(exclude acres where Phase III release has been achieved)

²Includes haul and access roads; temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; nonbackfilled and graded areas of refuse piles, coal mine waste impoundments, head-of-hollow fills, and valley fills; ventilation shafts and entryways; and noncoal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

³Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

TABLE I - 2017 MVB Disturbed Acres

<u>Pad No.</u>	<u>MDW No.</u>	<u>Total Number of Acres Disturbed (ft²)</u>	<u>Total Number of Acres Disturbed (acres)</u>
E7-1/2	E7-1, E7-2	30,056	0.69
E7-3	E7-3	17,860	0.41
E7-4	E7-4	38,333	0.88
E7-5	E7-5	47,916	1.10
E7-6	E7-6	24,829	0.57
E7-7	E7-7	32,234	0.74
E7-8	E7-8	42,253	0.97
E7-9	E7-9	34,412	0.79
E7-10	E7-10	26,136	0.60
E7-11	E7-11	21,780	0.50
E7-12	E7-12	22,216	0.51
Totals			7.76

TABLE II - 2017 MVB Reclaimed Acres

LOCATION	Reclaim Pad Pad Acreage	Reclaim Roadway Road Length	
E5-01/03	1.17	127'	
E5-04	0.76	130'	
E5-05	0.56	0	
E5-06/07	0.67	267	
E5-08	0.76		
E5-09	0.4	40	
E5-11	(Left for Staging Area)		
E5-12/13	0.52	0	
E5-14	0.5	212	
E5-15	0.4	2006	
E5-16	1.18	1262	
E5-17	0.29	0	
E5-18	0.28	0	
	Pad Acreage	7.49	3787 (25' ave. width)
	Road Acreage	2.17	



490 East 76th Ave., Unit A
Denver, Colorado 80229
Toll Free (888) 577-5650
Fax (888) 695-5450

Customer Number: G12453

Sold To:
Mountain Coal Company
P.O. Box 591
Somerset, CO 81434

INVOICE

Invoice Date:
14-Jul-17

Invoice Number: **3-31331**

(please show this invoice number on all payments)

Project: Paonia RD Modified Mtn Shrub w/Regreen

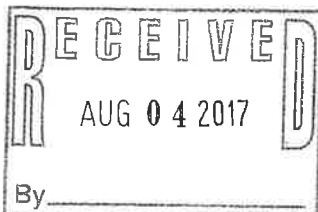
Ship To:
Mountain Coal Company
West Elk Mine Warehouse
5174 Hwy 133
Somerset, CO 81434

Terms: Net 30	Customer P.O.: WEYJG	Ordered By: Rita Long	Phone Number: 970-929-2204	
Shipper: UPS	Freight: Prepaid/Collect Prepaid	FOB: Origin	Sales Rep: Daryle Bennett	Date Shipped: 14-Jul-17

Quantity Shipped		Description	Variety	Price	Total
Price By	PLS				
*** MIX # 179482 PAONIA RD MODIFIED MTN SHRUB W/REGREEN ***					
PLS #	14.60	15.09	Bromus marginatus Bromegrass, Mountain	UP Cold Springs	
PLS #	10.95	13.09	KOELERIA MACRANTHA Prairie junegrass	Hanford	
PLS #	14.60	16.29	Pascopyrum smithii Western wheatgrass	Arriba	
PLS #	10.95	11.19	Achnatherum hymenoides Indian ricegrass	Rimrock	
PLS #	10.95	11.58	Poa sandbergii Bluegrass, Sandberg	UP/Colorado Plateau	
PLS #	10.95	11.85	Pseudoroegneria spicata ssp. spicata Bluebunch, Wheatgrass	Secar	
PLS #	1.83	2.39	Coreopsis lanceolata Coreopsis, Lance-Leaved	VNS	
PLS #	1.83	1.98	Penstemon strictus Penstemon, Rocky Mountain	Bandera	
PLS #	0.37	0.42	Achillea millefolium var. occidentalis Yarrow, Western	Yakima	
PLS #	73.00	76.52	Triticum aestivum x Elytrigia elongata Wheatgrass, Wheat X Hybrid	Regreen	

MIX SUBTOTAL (160 PLS # @ \$ 6.9094 Per PLS #): \$ 1,105.50

Notes: 1Z6R050R0340815969 1Z6R050R0341981779
1Z6R050R0341119586



Subtotal:	\$ 1,105.50
Freight:	\$ 76.60
Sales Tax:	\$ 52.51
GRAND TOTAL:	\$ 1,234.61
PLEASE PAY PER THIS INVOICE. NO STATEMENT WILL BE SENT.	

1214.16