

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

SL-15 Phase I Bond Release Application

Poulos, Nicki <npoulos@archrsc.com> To: "Simmons - DNR, Leigh" <leigh.simmons@state.co.us> Cc: "Wilczek, Jessica" <jwilczek@archrsc.com>, "Norris, Weston" <Wnorris@archrsc.com> Wed, Jan 26, 2022 at 1:17 PM

Hello Leigh,

Attached is Mountain Coal Company's Application for Phase I Bond Release, SL-15. Included are also the Landowner Notifications which were delivered via email.

Please let me know if there is anything else required.

Thank you,

Nicki Poulos

Environmental Engineer Mountain Coal Co. LLC West Elk Mine 5174 HWY 133 Somerset, CO 81434

(Work) 970-929-2219

(Cell) 970-250-3796

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SL-15 SUBMITTAL PACKET (2).pdf



Nicki Poulos Environmental Engineer I npoulos@archrsc.com

Phone: 970.929.2219

Mountain Coal Company, LLC A subsidiary of Arch Resources, Inc. West Elk Mine 5174 Highway 133 Somerset, CO 81434

January 25, 2022

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; Request for SL-15 Phase I Bond Release of Mine Ventilation Boreholes and Associated Pads and Roads in the Dry Fork of Minnesota Creek Area

Dear Mr. Simmons:

Attached is Mountain Coal Company, LLC's (MCC) application for SL-15 Phase I Bond Release of several mine ventilation boreholes (MVB) and associated pads and roads. The proof of publication of the public notice and return receipts for the delivery of the landowner letters will be provided to the Division after they are received by MCC.

MCC requests Phase I Bond Release of about \$72,000.00 for eleven (11) MVB's and associated pads and roads that have been reclaimed within the Dry Fork of Minnesota Creek area (see SL-15 Tables I & II). These sites are located on National Forest System lands within portions of Sections 10 and 11 of Township 14 South, Range 90 West. The MVB sites and roads were necessary for temporary mine ventilation.

MCC's mining and reclamation permit was originally issued by the Mined Land Reclamation Board in July 1981, and subsequently renewed in August 1986, January 1993 (effective August 1991), July 1996, July 2001, April 2007 (effective July 2006), November 2011 (effective July 2011), and September 2020 (effective July 2016). The West Elk Mine five-year permit area contains lands in Sections 9-11, 13-36, T13S, R90W, 6th PM; Sections 23-26, T13S, R91W, 6th PM; and Sections 1-5, 8-12, 14-16, and 21-23, T14S, R90W, 6th PM in Delta and Gunnison Counties. The location of the lands can be found on the USGS 7.5 minute Somerset and Minnesota Pass Quadrangle Topographic Maps. The current permit area encompasses approximately 19,854.9 acres.

MCC holds reclamation surety bonds from Arch Insurance Company and Indemnity National Insurance Company (Bond numbers SU1116159 and N-7004698, respectively) totaling \$15 million. The reclamation cost estimates for the reclaimed sites that will be part of the requests are covered by these bonds.

Reclamation of the various site locations and roads within MCC's permit area was completed in 2020 through 2021. This included the plugging and sealing of nine (9) MVB's, as well as backfilling and regrading of the associated pad locations and access roads. MCC also reclaimed MVB pads on Sunset 2 (SS2) panel that were never drilled due to roadless rule and Cessation Order. The Cessation Order was terminated on January 12, 2022. The sites and roads proposed for bond release have been revegetated and stabilized using various methods of

seeding, fertilizing, and mulching with straw mulch and native vegetative debris. Approximately 7.65 total acres have received these treatments.

MCC also participates in a photograph project of reclaimed MVB sites. The Reclamation Photograph Report (initiated in 2004) has been an annual documentation project that MCC voluntarily performs. It demonstrates and documents qualitative reclamation success over time. In addition to the photographs in Appendix B, MCC has included a notarized professional engineer's certification in Appendix A that certifies the reclaimed areas in this application were backfilled and reclaimed to approximate original contour; drainages were reestablished, including drainage profiles; and drainage control has been established in accordance with the approved plan.

Included in this application are photos of the reclaimed Sunset Trail MVB's and roads and E7-6 and E8-6. MCC was unable to get to E7-8 & 9 before winter weather prevented travel to these sites. Attached are the plugged & abandoned reports for the MVB's and roads as well as the reclamation of SS2-3 & 5.

A copy of the proposed Public Notice as required by Rule 3.03.2(1)(b) is included in Appendix C and a copy of the written notice that was sent to adjacent land owners as required by Rule 3.03.2(1) is included in Appendix D. Also submitted are the plugging and abandonment reports in Appendix E. A map of the reclaimed sites at MCC is included in Appendix F.

If you have questions concerning this application for Phase I bond release or require further information, please feel free to contact me.

Sincerely,

Aucole Poulas

Nicki Poulos Environmental Engineer

cc: W. Norris J. Wilczek

Attachments

- Appendix A Professional Engineer's Certification
- Appendix B Reclamation Photographs
- Appendix C Public Notice
- Appendix D Landowner Letters
- Appendix E Plug and Abandonment Reports
- Appendix F 2022 Phase 1 Bond Release Map

							NC					
	Total Number			<u>RN-7</u>							-	
MCC Site Name /	of Acres	<u>RN-7 P&A</u>	_	egrading	<u>RN</u>	<u>I-7 Topsoil</u>	<u>R</u>	<u>N-7 Seed</u>	<u>T</u>	otal/ Hole		nd Release
MVB Number	Reclaimed	<u>Cost*</u>	_	<u>Cost*</u>		Cost*	1	<u>Cost*</u>	1	<u>RCE</u>	-	uested 60%
SS1-1	0.54	\$ 3,219.00	\$	6,031.00	\$	2,010.00	\$	1,664.00	\$	12,924.00	\$	7,754.40
SS1-2 & Road	0.68	\$ 3,219.00	\$	6,031.00	\$	2,010.00	\$	1,664.00	\$	12,924.00	\$	7,754.40
SS1-3 & Road	0.86	\$ 3,219.00	\$	6,031.00	\$	2,010.00	\$	1,664.00	\$	12,924.00	\$	7,754.40
SS1-4	0.52	\$ 3,219.00	\$	6,031.00	\$	2,010.00	\$	1,664.00	\$	12,924.00	\$	7,754.40
SS1-5	0.57	\$ 3,219.00	\$	6,031.00	\$	2,010.00	\$	1,664.00	\$	12,924.00	\$	7,754.40
SS1-7 & Road	0.86	\$ 3,219.00	\$	6,031.00	\$	2,010.00	\$	1,664.00	\$	12,924.00	\$	7,754.40
SS2-3 & Road	2.40	N/A	\$	6,100.00	\$	2,033.00	\$	1,683.00	\$	9,816.00	\$	5,889.60
SS2-5 & Road	1.17	N/A	\$	6,100.00	\$	2,033.00	\$	1,683.00	\$	9,816.00	\$	5,889.60
E7-6	0.57	\$ 2,219.00	\$	1,846.00	\$	615.00	\$	509.00	\$	5,189.00	\$	3,113.40
E7-8 & Road	0.86	\$ 2,219.00	\$	1,846.00	\$	615.00	\$	509.00	\$	5,189.00	\$	3,113.40
E7-9 & Road	0.82	\$ 2,219.00	\$	1,846.00	\$	615.00	\$	509.00	\$	5,189.00	\$	3,113.40
E8-6 & Road	0.97	\$ 2,323.00	\$	3,344.00	\$	975.00	\$	807.00	\$	7,449.00	\$	4,469.40
	TOTALS	\$ 28,294.00	\$	57,268.00	\$	18,946.00	\$	15,684.00	\$	120,192.00	\$	72,115.20

	TABLE	II - RECLAIMED DR	ILL SI	TES AN	ND RO	ADS
<u>MCC Site Name /</u> <u>MVB Number</u>	<u>Permit</u> <u>Revision</u>	<u>Coordinates</u>	<u>Acres</u>	<u>Year</u> <u>Reclaimed</u>	<u>Plug &</u> <u>Abandon</u> <u>Date</u>	<u>Hole Depth</u> (ft.)
SS1-1	PR15/MR435/ MR457	38° 50' 52.5078", 107° 25' 25.179"	0.54	2021	2021	1,159
SS1-2 & Road	PR15/MR435/ MR457	38° 50' 52.3062", 107° 25' 29.6538"	0.68	2021	2021	1,123
SS1-3 & Road	PR15/MR435/ MR457	38° 50' 54.1998", 107° 25' 35.3346"	0.86	2021	2021	1,143
SS1-4	PR15/MR435/ MR457	38° 50' 55.485", 107° 25' 42.909"	0.52	2021	2021	1,215
SS1-5	PR15/MR435/ MR457	38° 50' 56.7918", 107° 25' 50.145"	0.57	2021	2021	1,141
SS1-7 & Road	PR15/MR435/ MR457	38° 50' 59.985", 107° 26' 8.6598"	0.86	2021	2021	987
SS2-3 & Road	PR15	38° 50' 39.8976", 107° 25' 38.4852"	2.40	2021	N/A	N/A
SS2-5 & Road	PR15	38° 50' 43.1838", 107° 25' 52.5036"	1.17	2021	N/A	N/A
E7-6	PR14/TR140	38° 51' 30.3012", 107° 25' 51.7116"	0.57	2021	2020	975
E7-8 & Road	PR14/TR140	38° 51' 33.84", 107° 26' 15"	1.16	2021	2020	1,300
E7-9 & Road	PR14/TR140	38° 51' 35.3304", 107° 26' 27.2508"	0.82	2021	2020	1,277
E8-6 & Road	PR14/TR140	38° 51' 17.2578", 107° 25' 58.4184"	0.97	2021	2020	723
		Total Acres	7.95			

Certification of Reclamation

Based on my professional engineering judgment, I certify the reclaimed areas that are the subject of this bond release request were back-filled and reclaimed to approximate original contour; drainages were reestablished, including drainage profiles, and drainage controls were installed in accordance with the Act and Rules per Mountain Coal Company, LLC's approved reclamation plan.

Name:	Jessica A. Wilczek	RADO LICE
Signature:	Cussica Wilczek	COLGCA A. WILCOS
Registration:	Colorado PE No. 39802	₩ 39802 ¥
		Ro. 1/25/22
		CSS/ONAL ENGLASS

Subscribed and sworn before me this 25th day of January, 2022.

MM Commission Expires 1-25-2024 Notary Public

LA RESA L. HAYNES NOTARY PUBLIC STATE OF COLORADO NOTARY ID #20084002974 My Commission Expires January 25, 2024

Public Notice

Mountain Coal Company, LLC (MCC), 5174 Highway 133, Somerset, CO 81434, (970) 929-5015, has filed a request for partial, Phase I Bond Release of MCC's Mining and Reclamation Permit No. C-1980-007 with the Colorado Mined Land Reclamation Board (Board), under the provisions of the Colorado Surface Coal Mining Reclamation Act of 1979. The permit was originally issued by the Board in July 1981, and subsequently renewed in August 1986, January 1993 (effective August 1991), July 1996, July 2001, April 2007 (effective July 2006), November 2011 (effective July 2011), and September 2020 (effective July 2016). The West Elk Mine five-year permit area contains lands in Sections 9-11, 13-36, T13S, R90W, 6th PM; Sections 23-26, T13S, R91W, 6th PM; and Sections 1-5, 8-12, 14-16, and 21-23, T14S, R90W, 6th PM in Delta and Gunnison Counties. The location of the lands can be found on the USGS 7.5 minute Somerset and Minnesota Pass Quadrangle Topographic Maps. The current permit area encompasses approximately 19,854.9 acres.

MCC is requesting Phase I Bond Release of approximately \$72,000.00 (i.e. sixty percent (60%) of the \$158,186.00 reclamation performance bond posted) for mine ventilation boreholes (MVBs) and associated pads and roads that have been reclaimed within the Dry Fork of the Minnesota Creek area totaling about 6.96 acres. These sites are located on National Forest System lands within portions of Sections 10 and 11 of Township 14 South, Range 90 West.

Reclamation of the various site locations and roads within MCC's permit area was completed in 2020 through 2021. Reclamation included proper plugging and sealing of MVBs, as well as backfilling and regrading pad locations and access roads. The borehole sites and roads proposed for bond release have been revegetated and stabilized using various methods of seeding, fertilizing, and mulching.

A copy of the Phase I Bond Release application is available for review at the Colorado Division of Reclamation, Mining and Safety (CDRMS), 1313 Sherman Street, Room 215 Denver, CO 80203, phone (303) 866-3567, and the Gunnison County Planning Office, 221 N. Wisconsin, Suite D, Gunnison, CO 81230. Comments or objections concerning the application should be directed to the CDRMS at the above address within thirty (30) days of the last publication of this notice, or within thirty (30) days of the completed inspection, whichever is later.



E7-6























SS2-3



SS2-5



SS2-3&5 with reclaimed road



Nicki Poulos Environmental Engineer I npoulos@archrsc.com

Phone: 970.929.2219

Mountain Coal Company, LLC A subsidiary of Arch Resources, Inc. West Elk Mine 5174 Highway 133 Somerset, CO 81434

January 25, 2022

Desty Dyer Bureau of Land Management Uncompahgre Field Office 2465 South Townsend Avenue Montrose, CO 81401

Gunnison Board of County Commissioners Gunnison County Courthouse 200 East Virginia, Suite 104 Gunnison, CO 81230

Minnesota Canal & Reservoir Company 41103 Lamborn Mesa Road Paonia, CO 81428 Mr. Levi Broyles, District Ranger USDA Forest Service Paonia Ranger District P.O. Box 1030 Paonia, CO 81428

Ark Land LLC c/o Mountain Coal Company, LLC 5174 Highway 133 Somerset, CO 81434

Re: Mountain Coal Company, LLC, West Elk Mine; Permit No. C-1980-007; Notice of Request for Phase I Reclamation Bond Release- Notice sent via email

To Whom It May Concern:

In compliance with Rule 3.03.2(1) of the of the Regulations of the Colorado Mined Land Reclamation Board for Coal Mining ("the Regulations"), 1980, as revised, Mountain Coal Company, LCC (MCC) is providing this notice to inform the above-mentioned landowners that MCC plans to request from the Colorado Division of Reclamation, Mining and Safety (CDRMS) a partial release of the reclamation liability held in surety bonds. The bond release requests are planned for several reclaimed mine ventilation boreholes (MVB) and associated pads and roads within the Dry Fork of Minnesota Creek area. MCC is requesting Phase I bond release for up to 60% of the reclamation bond held by the CDRMS for each site.

In accordance with the Regulations, Phase I bond release may be requested after backfilling, regrading and drainage control has been successfully completed in accordance with MCC's approved reclamation plan. Backfilling and grading are considered to be complete when the final post-mine topography has been achieved in accordance with the permit, including establishment of the approved permanent stormwater drainage controls.

MCC holds reclamation surety bonds from Arch Insurance Company and Indemnity National Insurance Company (Bond numbers SU1116159 and N-7004698, respectively) totaling \$15 million. The reclamation cost estimates for the reclaimed sites that will be part of the requests are covered by these bonds. The cost estimates were calculated by the CDRMS before the approval of each project's permit revision application was issued. The reclamation cost estimates include plugging the drill holes, removal of any surface facilities, regrading the area to approximate original contours, replacing topsoil, and revegetating the sites and roads. The estimates also include CDRMS overhead and contingency costs. These estimates have been subsequently updated and increased, if needed, during permit renewal and mid-term reviews, considering the most current materials, fuel and labor costs, etc.

MCC's mining and reclamation permit was originally issued by the Mined Land Reclamation Board in July 1981, and subsequently renewed in August 1986, January 1993 (effective August 1991), July 1996, July 2001, April 2007 (effective July 2006), November 2011 (effective July 2011), and September 2020 (effective July 2016). The West Elk Mine five-year permit area contains lands in Sections 9-11, 13-36, T13S, R90W, 6th PM; Sections 23-26, T13S, R91W, 6th PM; and Sections 1-5, 8-12, 14-16, and 21-23, T14S, R90W, 6th PM in Delta and Gunnison Counties. The location of the lands can be found on the USGS 7.5 minute Somerset and Minnesota Pass Quadrangle Topographic Maps. The current permit area encompasses approximately 19,854.9 acres.

The reclaimed sites are located on National Forest System lands within portions of Sections 10 and 11 of Township 14 South, Range 90 West. The MVB sites and roads were necessary for temporary mine ventilation.

Reclamation of the various site locations and roads within MCC's permit area was completed in 2020 through 2021. This included the plugging and sealing of eleven (11) MVBs, as well as backfilling and regrading of the associated pad locations and access roads. The sites and roads proposed for bond release have been revegetated and stabilized using various methods of seeding, fertilizing, and mulching with straw mulch and native vegetative debris. Approximately 7.65 total acres have received these treatments.

If you have any questions or need further information concerning this notice of MCC's bond release requests, please contact me at (970) 929-2219.

Sincerely,

Aucole Poulas

Nicki Poulos Environmental Engineer

cc: D. Finnerty, ARKL L. Simmons, CDRMS W. Norris, MCC J. Wilczek, MCC

22235 H75 Rd., Delta, CO 81416

(970) 874-7393

WELL ABANDONMENT REPORT

Date	

Well Identificatio	n						
Owner							
Well Numb	oer						
Well Locat	ion (township	& range)					
(Lat / Lor	ng)	_					
County		S	State			Elevation	
Existing Well Det	ails						
Is a well dr	illers report av	ailable?	Yes	No			
Nature of u	se & current s	tatus					
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Intermediat	te Casing Type	e / Wt	/		Size	Depth	
Completior	n Blank Casing	g Type / Wt _	/	Size		Depth From	То
Completior	n Perf casing T	ype / Wt	/	Size		_ Depth From	To
Static Fluid	Level Depth	Feet	- Artesia	n Flow _	G	PM - Shut-In Pres	ssurePS
Abandonment De	tails						
Reason for	Abandonment	-					
	g type						
	or Bridge Plu						
	volume of well					Gallons	
	ne of fluid use						
Method of	sealing materi	al placement					
Date of Ab	andonment Co	mpletion			_		
Depth	n (Feet)					Quantity	Density
From	То		Material U	sed		Gal. / CuFt. / Sks.	Lbs./Gal.
							1 1

22235 H75 Rd., Delta, CO 81416

(970) 874-7393

WELL ABANDONMENT REPORT

Date	

Well Identificatio	n						
Owner							
Well Numb	oer						
Well Locat	ion (township	& range)					
(Lat / Lor	ng)	_					
County	(Lat / Long) State					Elevation	
Existing Well Det	ails						
Is a well dr	illers report av	ailable?	Yes	No			
Nature of u	se & current s	tatus					
	ı Fe						
Surface Cas	sing type / Wt	·	/		Size	Depth	
Intermediat	te Casing Type	e / Wt	/		Size	Depth	
Completior	n Blank Casing	g Type / Wt _	/	Size		Depth From	То
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Date of Ab	andonment Co	mpletion			_		
Depth	n (Feet)					Quantity	Density
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	volume of well					Gallons	
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From	То		Material U	sed		Gal. / CuFt. / Sks.	Lbs./Gal.
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From:	Microsoft Outlook
To:	Finnerty, David
Subject:	Delivered: Phase I Bond Release 2022
Date:	Wednesday, January 26, 2022 1:01:52 PM
Attachments:	Phase I Bond Release 2022.msg

Your message has been delivered to the following recipients: Finnerty, David (Dfinnerty@archrsc.com) <mailto:Dfinnerty@archrsc.com> Subject: Phase I Bond Release 2022

From:	<u>Dyer, Desty D</u>
To:	Poulos, Nicki
Subject:	Read: [EXTERNAL] Phase I Bond Release 2022
Date:	Wednesday, January 26, 2022 1:02:31 PM
Attachments:	Read EXTERNAL Phase I Bond Release 2022.msg

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From:	Microsoft Outlook
To:	sawhorse@tds.net
Subject:	Relayed: Phase I Bond Release 2022
Date:	Wednesday, January 26, 2022 1:03:27 PM
Attachments:	Phase I Bond Release 2022.msg

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server: sawhorse@tds.net (sawhorse@tds.net) <mailto:sawhorse@tds.net> Subject: Phase I Bond Release 2022

From:	Microsoft Outlook
То:	dbishop@gunnisoncounty.org
Subject:	Relayed: Phase I Bond Release 2022
Date:	Wednesday, January 26, 2022 12:56:05 PM
Attachments:	Phase I Bond Release 2022.msg

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From:	postmaster@usdagcc.onmicrosoft.com
То:	Poulos, Nicki
Subject:	Delivered: [External Email]Phase I Bond Release 2022
Date:	Wednesday, January 26, 2022 12:55:30 PM
Attachments:	Delivered External EmailPhase I Bond Release 2022.msg

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From:	postmaster@usdagcc.onmicrosoft.com
То:	Poulos, Nicki
Subject:	Delivered: [External Email]Phase I Bond Release 2022
Date:	Wednesday, January 26, 2022 12:55:30 PM
Attachments:	Delivered External EmailPhase I Bond Release 2022.msg

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