

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	C00038776	Permittee Address:	Mountain Coal Co LLC	Facility Location:	WEST ELK MINE
Major:	No	Discharge:	5174 Hwy 133 Someset, CO 81434		HWY 133, E OF TOWN GUNNSON COUNTY, CO 81434
Permitted Feature:					
UST1 Receiving Water (Ambient)					
Report Dates & Status					
Monitoring Period:	From 10/01/22 to 10/31/22	DMR Due Date:	11/28/22	Status:	NetDMR Validated
Considerations for Form Completion					
Principal Executive Officer					
First Name:					
Last Name:					
No Data Indicator (NODI)					
Form NODI:					
Code	Parameter Name	Monitoring Location	Season #	Permit NODI	Sample Permit Req. Value NODI
00010	Temperature, water deg. centigrade	Z - Instream Monitoring	0		
Submission Note					
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.					
Edit Check Errors					
No errors					
Comments					
Attachments					
No attachments					
Report Last Saved By					
Mountain Coal Co LLC					
User:	NPOULOS1031				
Name:	Nicole Poulos				
E-Mail:	npoulos@archrsc.com				
Date/Time:	2022-11-22 08:52 (Time Zone: -07:00)				
Report Last Signed By					
User:	JWILCZEK				
Name:	Jessica Wilczek				
E-Mail:	jwilczek@archrsc.com				
Date/Time:	2022-11-28 11:54 (Time Zone: -07:00)				

DMR Copy of Record

Permit

Permit #: CO0038776
Major: No
Permitted Feature: 012A
External Outfall

Permittee: Mountain Coal Co LLC
5174 Hwy 133
Somerset, CO 81434
012A-W
Acute Monthly WET Testing for 012A

Facility: WEST ELK MINE
HWY 133, E OF TOWN
GUNNISON COUNTY, CO 81434

Report Dates & Status

Monitoring Period: From 10/01/22 to 10/31/22
Considerations for Form Completion

Discharge: 012A-W
Acute Monthly WET Testing for 012A

Status: NetDMR Validated

Principal Executive Officer

First Name:
Last Name:
No Data Indicator (NODI)

Title:
Telephone:

Form NODI:

Monitoring Location Season # Param. NODI

Code Parameter Name 1 - Effluent Gross 0 -

51484 Number of Events 1 - Effluent Gross 0 -

81381 Duration of discharge 1 - Effluent Gross 0 -

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User: NPOULOS1031
Name: Nicole Poulos
E-Mail: npoulos@archrsc.com
Date/Time: 2022-11-04 09:05 (Time Zone: -06:00)

Report Last Signed By

JWILCZEK

User: Jessica Wilczek
Name: Jessica Wilczek
E-Mail: jwilczek@archrsc.com
Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)



Nicki Poulos
Environmental Engineer I
npoulos@archrsc.com
Phone: 970.929.2219

November 28, 2022

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

CDPS Number: CO0038776
Mountain Coal Company LLC
Weston Norris, GM
5174 HWY 133
Somerset, CO 81434

RE: October 2022 Discharge Monitoring Report (DMR)- Concerning Compliance Advisory dated November 11, 2022.

To Whom it may concern:

Mountain Coal Company LLC (MCC) received a Compliancy Advisory from the Colorado Department of Health and Environment (CDPHE/Division) dated November 11, 2022 regarding effluent limit violations for outfalls 025, 026, 027, 032 and 034 for iron exceedances. Stated outfalls, as well as outfalls 030, 033 and 035, are currently in litigation and are not subject to enforcement at this time.

MCC's legal team has been in contact with the Division and the Attorney General's office. It has been agreed on to withdraw the Compliance Advisory and adjust the coding on the DMR system to avoid this error until after the litigation and effluent limits are enforced.

MCC is required to submit the DMR by the 28th of every month. October 2022's DMR will be submitted with exceedances of iron in the interim of the Division's withdraw and system adjustment.

If you have any questions or concerns, please contact me at 970-929-2219 or via email.

Sincerely,

A handwritten signature in cursive script that reads "Nicki Poulos".

Nicki Poulos
Environmental Engineer

DMR Copy of Record

Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Someset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	032 External Outfall	Discharge:	032-A Stormwater from Drainage Basins 43A and 43F to Sylvester Gulch		
Report Dates & Status					
Monitoring Period:	From 10/01/22 to 10/31/22	DMR Due Date:	11/28/22	Status:	NetDMR Validated
Considerations for Form Completion					

Principal Executive Officer	Title:
First Name:	
Last Name:	
No Data Indicator (NODI)	
Form NODI:	

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	7.52	Req Mon MINIMUM	7.52	Req Mon MAXIMUM	12 - SU	12 - SU	12 - SU	0	01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	11.0	Req Mon 30DA AVG	11.0	Req Mon DAILY MX	19 - mg/L	19 - mg/L	19 - mg/L	0	01/30 - Monthly	GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	25	Req Mon 30DA AVG	25	Req Mon DAILY MX	25 - m/L	25 - m/L	25 - m/L	0	01/30 - Monthly	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	590.0	Req Mon 30DA AVG	590.0	Req Mon DAILY MX	28 - ug/L	28 - ug/L	28 - ug/L	0	01/30 - Monthly	GR - GRAB
59050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	0.0007632	Req Mon DAILY MX	0.0007632	Req Mon DAILY MX	03 - MGD	03 - MGD	03 - MGD	0	01/30 - Monthly	IN - INSTAN

Submission Note	
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.	
Edit Check Errors	
No errors.	
Comments	
Attachments	
Compliance/Advisory/ResponseOutfall032.pdf	pdf 180506.0
Report Last Saved By	
Mountain Coal Co LLC	
User:	NPOULOS1031
Name:	Nicole Poulos
E-Mail:	npoulos@archrsc.com
Date/Time:	2022-11-28 11:42 (Time Zone: -07:00)

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

JWILCZEK

Jessica Wilczek

jwilczek@archrsc.com

2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit		Permit #: C00038776		Facility: WEST ELK MINE	
Major:		No		Facility Location: HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434	
Permitted Feature:		300 Influent Structure		Discharge: 300-I Influent Measurements	
Report Dates & Status		Monitoring Period: From 10/01/22 to 10/31/22		DMR Due Date: 11/28/22	
Considerations for Form Completion					
Influent samples must be collected, analyzed and reported monthly regardless of whether an effluent discharge occurs. Plant capacity - report hydraulic capacity @ MLOC=Q. Hydraulic capacity = 28 lbs BOD-5/Day					
Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					
Form NOD:					
Parameter Name		Monitoring Location		Season # Param. NOD	
00180 Plant capacity fact. percent of capacity		P - See Comments		0 -	
00180 Plant capacity fact. percent of capacity		Q - See Comments		0 -	
00310 BOD, 5-day, 20 deg. C		G - Raw Sewage Influent		0 -	
00530 Solids, total suspended		G - Raw Sewage Influent		0 -	

Code	Parameter Name	Monitoring Location	Season # Param. NOD	Quantity or Loading		Qualifiers		Quality or Concentration		Value 3		Units		# of Ex. Frequency of Analysis		Sample Type
				Value 1	Qualifier 1	Value 2	Qualifier 2	Value 2	Qualifier 3	Value 3	Qualifier 3	Value 3	Qualifier 3	Value 3	Qualifier 3	
00180	Plant capacity fact. percent of capacity	P - See Comments	0 -		Sample Permit Req. Value NOD											CA - CALCTD
00180	Plant capacity fact. percent of capacity	Q - See Comments	0 -		Sample Permit Req. Value NOD											CA - CALCTD
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0 -		Sample Permit Req. Value NOD											CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0 -		Sample Permit Req. Value NOD											CP - COMPOS

Submission Note

If a parameter row does not contain any values for the Sample not Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User: NPOULOS1031

Name: Nicole Poulos

E-Mail: npoulos@archsc.com

Date/Time: 2022-11-22 08:50 (Time Zone: -07:00)

Report Last Signed By

User: JWILCZEK

Name: Jessica Wilczek

E-Mail: jwilczek@archsc.com

Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)



Nicki Poulos
Environmental Engineer I
npoulos@archrsc.com
Phone: 970.929.2219

November 28, 2022

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

CDPS Number: CO0038776
Mountain Coal Company LLC
Weston Norris, GM
5174 HWY 133
Somerset, CO 81434

RE: October 2022 Discharge Monitoring Report (DMR)- Concerning Compliance Advisory dated November 11, 2022.

To Whom it may concern:

Mountain Coal Company LLC (MCC) received a Compliancy Advisory from the Colorado Department of Health and Environment (CDPHE/Division) dated November 11, 2022 regarding effluent limit violations for outfalls 025, 026, 027, 032 and 034 for iron exceedances. Stated outfalls, as well as outfalls 030, 033 and 035, are currently in litigation and are not subject to enforcement at this time.

MCC's legal team has been in contact with the Division and the Attorney General's office. It has been agreed on to withdraw the Compliance Advisory and adjust the coding on the DMR system to avoid this error until after the litigation and effluent limits are enforced.

MCC is required to submit the DMR by the 28th of every month. October 2022's DMR will be submitted with exceedances of iron in the interim of the Division's withdraw and system adjustment.

If you have any questions or concerns, please contact me at 970-929-2219 or via email.

Sincerely,

A handwritten signature in cursive script that reads "Nicki Poulos".

Nicki Poulos
Environmental Engineer

DMR Copy of Record

Permit #:	C00038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Someset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	030 External Outfall	Discharge:	030-A Stormwater from Drainage Basins 46B1 and 46B2 to Sylvester Gulch	Status:	NetDMR Validated
Report Dates & Status		DMR Due Date:	11/28/22		
Monitoring Period:	From 10/01/22 to 10/31/22				
Considerations for Form Completion					
Principal Executive Officer		Title:		Telephone:	
First Name:					
Last Name:					

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading		Quality or Concentration		Units		# of Ex. Frequency of Analysis		Sample Type
					Value 1	Qualifier 1	Value 2	Qualifier 2	Value 3	Qualifier 3	Value 4	Qualifier 4	
00400	pH	1 - Effluent Gross	0	-									GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-									GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0	-									GR - GRAB
00880	Iron, total recoverable	1 - Effluent Gross	0	-									GR - GRAB
50050	Flow, In conduit or thru treatment plant	1 - Effluent Gross	0	-									IN - INSTANT

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

TDS 690mg/L

Attachments

Name		Type	Size
ComplianceAdvisoryResponseOutfall030.pdf		pdf	180506.0
Report Last Saved By			
Mountain Coal Co LLC			
User:	NPOULOS1031		
Name:	Nicole Poulos		
E-Mail:	npoulos@archrsc.com		
Date/Time:	2022-11-28 11:41 (Time Zone: -07:00)		
Report Last Signed By			
JWILCZEK			
User:	JWILCZEK		
Name:	Jessica Wilczek		
E-Mail:	jwilczek@archrsc.com		
Date/Time:	2022-11-28 11:54 (Time Zone: -07:00)		

DMR Copy of Record

Permit	Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
	Major:	No	Permittee Address:	5174 Hwy 133 Sommersal, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
	Permitted Feature:	015 External Outfall	Discharge:	015-AA Surface Runoff to N. Fork of Gunnison River		
	Report Dates & Status		DMR Due Date:	11/28/22	Status:	NetDMR Validated
	Monitoring Period:	From 10/01/22 to 10/31/22				

Considerations for Form Completion
TSS AND TOTAL RECOVERABLE IRON LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR 24HR PRECIP EVENTS -SEE PG. 23 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.OIL AND GREASE- SEE I.C.1.a. REPORT CALCULATED SAR AT MLOC=EG; ADJUSTED SAR AT MLOC=P.

Principal Executive Officer
First Name:
Last Name:
No Data Indicator (NODI)

Form NODI:

Code	Parameter Name	Monitoring Location	Season & Param. NODI	Sample	Qualifier 1	Value 1	Quantity or Loading	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Quality or Concentration	Qualifier 3	Value 3	Units	# of EL Frequency of Analysis Sample Type
00094	Conductivity	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			7B - dS/m	0230 - Twice Per Month GR - GRAB
00400	pH	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			12 - SU	0120 - Monthly GR - GRAB
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			19 - ng/L	0230 - Twice Per Month GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			19 - ng/L	0120 - Monthly GR - GRAB
00918	Calcium, total recoverable	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			19 - ng/L	0230 - Twice Per Month GR - GRAB
00921	Magnesium, total recoverable	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			19 - ng/L	0230 - Twice Per Month GR - GRAB
00923	Sodium, total recoverable	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			19 - ng/L	0230 - Twice Per Month GR - GRAB
00931	Sodium adsorption ratio	EG - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			10 - Ratio	0230 - Twice Per Month CA - CALCTD
00931	Sodium adsorption ratio	P - See Comments	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			10 - Ratio	0230 - Twice Per Month CA - CALCTD
00940	Chloride [as Cl]	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			19 - ng/L	0230 - Twice Per Month GR - GRAB
00978	Arsenic, total recoverable	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			28 - ug/L	0230 - Twice Per Month GR - GRAB
00990	Iron, total recoverable	1 - Effluent Gross	0	Sample Permit Req. Value NODI											Req Mon 30DA AVG C - No Discharge			28 - ug/L	0120 - Monthly GR - GRAB
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	Sample Permit Req.											Req Mon 30DA AVG C - No Discharge			28 - ug/L	0230 - Twice Per Month GR - GRAB

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Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

NPOULOS1031

Name:

Nicole Poulos

E-Mail:

npoulos@archrsc.com

Date/Time:

2022-11-04 09:06 (Time Zone: -06:00)

Report Last Signed By

User:

JWILCZEK

Name:

Jessica Wilczek

E-Mail:

jwilczek@archrsc.com

Date/Time:

2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit
Permit #: CO0038776
Major: No
Permitted Feature: 034 External Outfall
Report Dates & Status
Monitoring Period: From 10/01/22 to 10/31/22
Considerations for Form Completion

Permittee: Mountain Coal Co LLC
5174 Hwy 133
Someset, CO 81434
Discharge: 034-A
Comingled Discharge of Outfall 033 and from Drainage Basin 43B and 43C to Sylvester Gulch
DMR Due Date: 11/28/22
Status: NetDMR Validated
Facility: WEST ELK MINE
Facility Location: HWY 133, E OF TOWN
GUNNISON COUNTY, CO 81434
Telephone:

Principal Executive Officer
First Name:
Last Name:
No Data Indicator (NODI)
Form NODI:

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading Qualifier 1 Value 1	Quantity or Loading Qualifier 2 Value 2	Units	Qualifier 1 Value 1	Qualifier 2 Value 2	Quality or Concentration Qualifier 3 Value 3	Req Mon MAXIMUM C - No Discharge	Req Mon MINIMUM C - No Discharge	Req Mon MAXIMUM 12 - SU C - No Discharge	# of Ex. Frequency of Analysis Sample Type
00400	pH	1 - Effluent Gross	0	--											GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	--											GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--											IN - INSTAN

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.
Comments
No Discharge
Attachments
Report Last Saved By Mountain Coal Co LLC
User: NPOULOS1031
Name: Nicole Poulos
E-Mail: npoulos@archsc.com
Date/Time: 2022-11-28 11:42 (Time Zone: -07:00)

Report Last Signed By
User: JWILCZEK
Name: Jessica Wilczek
E-Mail: jwilczek@archsc.com
Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)



Nicki Poulos
Environmental Engineer I
npoulos@archrsc.com
Phone: 970.929.2219

November 28, 2022

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

CDPS Number: CO0038776
Mountain Coal Company LLC
Weston Norris, GM
5174 HWY 133
Somerset, CO 81434

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Sincerely,

A handwritten signature in cursive script that reads "Nicki Poulos".

Nicki Poulos
Environmental Engineer

DMR Copy of Record

Permit #:	C00038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Someraset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	027 External Outfall	Discharge:	027-A Stormwater from Drainage Basin 49A2 to Sylvester Gulch	Status:	NetDMR Validated
Report Dates & Status		DMR Due Date:	11/28/22		
Monitoring Period:	From 10/01/22 to 10/31/22				
Considerations for Form Completion					
Principal Executive Officer		Title:		Telephone:	
First Name:					
Last Name:					

Form NODI:		Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading	Qualifier	Value 1	Value 2	Units	Qualifier	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
Code						Value 1	Qualifier	Value 1	Value 2							
00400	pH	Sample Permit Req. Value NODI	1 - Effluent Gross	0	-			7.48				7.48	12 - SU	0	01/30 - Monthly	GR - GRAB
		Sample Permit Req. Value NODI						Req Mon MINIMUM				Req Mon MAXIMUM	12 - SU	0	01/30 - Monthly	GR - GRAB
00530	Solids, total suspended	Sample Permit Req. Value NODI	1 - Effluent Gross	0	-			64.0				64.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
		Sample Permit Req. Value NODI						Req Mon 30DA AVG				Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
00545	Solids, settleable	Sample Permit Req. Value NODI	1 - Effluent Gross	0	-							Req Mon 30DA AVG	25 - mL	0	01/30 - Monthly	GR - GRAB
		Sample Permit Req. Value NODI						B - Below Detection Limit/No Detection				Req Mon DAILY MX		0	01/30 - Monthly	GR - GRAB
X 00980	Iron, total recoverable	Sample Permit Req. Value NODI	1 - Effluent Gross	0	-							B - Below Detection Limit/No Detection	28 - ug/L	0	01/30 - Monthly	GR - GRAB
		Sample Permit Req. Value NODI						3200.0				6000.0 DAILY MX	28 - ug/L	0	01/30 - Monthly	GR - GRAB
50050	Flow, in conduit or thru plant	Sample Permit Req. Value NODI	1 - Effluent Gross	0	-					03 - MGD				0	01/30 - Monthly	IN - INSTAN
		Sample Permit Req. Value NODI						0.004555		03 - MGD				0	01/30 - Monthly	IN - INSTAN

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00980	Iron, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Attachments

Attachment Name	Type	Size
ComplianceAdvisoryResponseOutfall027.pdf	pdf	180506.0

Report Last Saved By
Mountain Coal Co LLC

User:
Name:

NPOULOS1031
Nicole Poulos

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

npoulos@archrsc.com

2022-11-28 11:46 (Time Zone: -07:00)

JWILCZEK

Jessica Wilczek

jwilczek@archrsc.com

2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit Permit #: CO0038776 Major: No		Permittee: Mountain Coal Co LLC 5174 Hwy 133 Somerset, CO 81434		Facility: WEST ELK MINE HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434	
Permitted Feature: 009 External Outfall		Discharge: 009-AA Subsoil Stockpile Runoff (MB-5)			
Report Dates & Status Monitoring Period: From 10/01/22 to 10/31/22		DMR Due Date: 11/28/22		Status: NetDMR Validated	

Considerations for Form Completion
 TSS AND TOTAL RECOVERABLE IRON LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR,24HR PRECIP EVENTS -SEE PG. 18 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.OIL AND GREASE- SEE I.C.A.

Principal Executive Officer
 First Name: _____
 Last Name: _____
 Title: _____
 Telephone: _____

Form NODI: ____

Code	Parameter Name	Monitoring Location	Season # Param. NODI	Qualifier 1	Value 1	Quantity or Loading	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis Sample Type
00094	Conductivity	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		7B - dSm				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00400	pH	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		12 - SU				01/30 - Monthly GR - GRAB
				Value NODI								C - No Discharge						
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00530	Solids, total suspended	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				01/30 - Monthly GR - GRAB
				Value NODI								C - No Discharge						
00640	Nitrogen, inorganic total	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00918	Calcium, total recoverable	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00921	Magnesium, total recoverable	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00923	Sodium, total recoverable	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00931	Sodium adsorption ratio	EG - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		10 - Ratio				02/30 - Twice Per Month CA - CALCTD
				Value NODI								C - No Discharge						
00931	Sodium adsorption ratio	P - See Comments	0	Sample		Permit Req.						Req Mon 30DA AVG		10 - Ratio				02/30 - Twice Per Month CA - CALCTD
				Value NODI								C - No Discharge						
00940	Chloride [as Cl]	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		19 - mg/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00978	Arsenic, total recoverable	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		28 - ug/L				02/30 - Twice Per Month GR - GRAB
				Value NODI								C - No Discharge						
00980	Iron, total recoverable	1 - Effluent Gross	0	Sample		Permit Req.						Req Mon 30DA AVG		28 - ug/L				01/30 - Monthly GR - GRAB
				Value NODI								C - No Discharge						

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	3297.0 30DA AVG C - No Discharge	<=	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	10.0 INST MAX C - No Discharge	<=	19 - mg/L	7/7/77 - Contingent GR - GRAB
04282	Chromium, trivalent total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon DAILY MX C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample Permit Req. <=	0.23 30DA AVG C - No Discharge			01/30 - Monthly IN - INSTAN
50060	Chlorine, total residual	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	0.5 INST MAX C - No Discharge	<=	19 - mg/L	01/30 - Monthly GR - GRAB
50286	Mercury, total [low level]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month GR - GRAB
51040	E. coli	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	2000.0 30DA GM C - No Discharge	<=	13 - #/100mL	02/30 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		19 - mg/L	02/30 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge		19 - mg/L	02/30 - Twice Per Month GR - GRAB

82057	Boron, total	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - ng/L	02/20 - Twice Per Month SF - G6A8
84066	Oil and grease visual	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon INST MAX AB - abate0.ppt-1 C - No Discharge		01/20 - Monthly VI - VISUAL

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

Name:

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

NPOULOS1031

Nicole Poulos

npoulos@archrsc.com

2022-11-04 09:04 (Time Zone: -06:00)

JWILCZEK

Jessica Wilczek

jwilczek@archrsc.com

2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit		Permit #: CO0038776		Permittee: Mountain Coal Co LLC		Facility: WEST ELK MINE	
Major: No		Permittee Address: 5174 Hwy 133 Someset, CO 81434		Facility Location:		HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434	
Permitted Feature: 011A External Outfall		Discharge: 011A-W Acute Monthly WET Testing for 011A					
Report Dates & Status		Monitoring Period: From 10/01/22 to 10/31/22		DMR Due Date: 11/28/22		Status: NetDMR Validated	
Considerations for Form Completion							
Principal Executive Officer							
First Name:							
Last Name:							
No Data Indicator (NODI)							
Form NODI:							
Code	Parameter Name	Monitoring Location	Season	Param. NODI	Quantity or Loading	Quality or Concentration	# of Ex. Frequency of Analysis Sample Type
					Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Value 3		
51484	Number of Events	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	10.0 30DA AVG < 3.0 MX 7D AV 5J - # 01/30 - Monthly CA - CALCTD	
					Value NODI	C - No Discharge C - No Discharge	
81331	Duration of discharge	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	3.0 MX 7D AV 5A - d 01/07 - Weekly CA - CALCTD	
					Value NODI	C - No Discharge	

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments.

Report Last Saved By
Mountain Coal Co LLC

User: NPOULOS1031

Name: Nicole Poulos

E-Mail: npoulos@archsc.com

Date/Time: 2022-11-04 09:05 (Time Zone: -06:00)

Report Last Signed By

User: JWILCZEK

Name: Jessica Wilczek

E-Mail: jwilczek@archsc.com

Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit	Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
	Major:	No	Permittee Address:	5174 Hwy 133 Someset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
	Permitted Feature:	017A External Outfall	Discharge:	017A-W Acute Monthly WET Testing for 017A		
	Report Dates & Status					
	Monitoring Period:	From 10/01/22 to 10/31/22	DMR Due Date:	11/28/22	Status:	NetDMR Validated
	Considerations for Form Completion					

Principal Executive Officer	Title:
First Name:	Telephone:
Last Name:	

Form NODI:		No Data Indicator (NODI)	Monitoring Location	Season #	Param. NODI	Quantity or Loading		Quality or Concentration		Units		# of Ex. Frequency of Analysis		Sample Type
Code	Parameter Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	SJ - #	SA - d	
51484	Number of Events	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI				10.0 30DA AVG	C - No Discharge		01/30 - Monthly		CA - CALCTD
81331	Duration of discharge	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							01/07 - Weekly		CA - CALCTD

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.
Comments
No Discharge
Attachments
No attachments.

Report Last Saved By
Mountain Coal Co LLC
User: NPOULOS1031
Name: Nicole Poulos
E-Mail: npoulos@archrsc.com
Date/Time: 2022-11-04 09:06 (Time Zone: -06:00)

Report Last Signed By
User: JWILCZEK
Name: Jessica Wilczek
E-Mail: jwilczek@archrsc.com
Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Somerset, CO 81434	Facility Location:	HWY 133 E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	033 Internal Outfall	Discharge:	033-A Stormwater from Drainage Basin 43D and 43E		
Report Dates & Status					
Monitoring Period:	From 10/01/22 to 10/31/22	DMR Due Date:	11/28/22	Status:	NetDMR Validated
Considerations for Form Completion					

Principal Executive Officer		Title:	
First Name:			
Last Name:			

Form NODI:		Monitoring Location Season & Param. NODI		Quantity or Loading		Quality or Concentration		# of Ex. Frequency of Analysis Sample Type	
Code	Parameter Name			Value 1	Qualifier 1	Value 2	Qualifier 2	Value 3	Qualifier 3
00400	pH	1 - Effluent Gross	0					Req Mon MINIMUM C - No Discharge	01/30 - Monthly GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0					Req Mon 30DA AVG C - No Discharge	01/30 - Monthly GR - GRAB
00545	Solids, settleable	1 - Effluent Gross	0					Req Mon 30DA AVG C - No Discharge	01/30 - Monthly GR - GRAB
00680	Iron, total recoverable	1 - Effluent Gross	0					Req Mon 30DA AVG C - No Discharge	01/30 - Monthly GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0					Req Mon DAILY MX C - No Discharge	01/30 - Monthly IN - INSTAN

Submission Note	
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.	
Edit Check Errors	
No errors.	
Comments	
No Discharge	
Attachments	
No attachments	
Report Last Saved By	
Mountain Coal Co LLC	
User:	NPOULOS1031
Name:	Nicole Poulos
E-Mail:	npoulos@archrsc.com
Date/Time:	2022-11-28 11:42 (Time Zone: -07:00)
Report Last Signed By	
User:	JWILCZEK
Name:	Jessica Wilczek
E-Mail:	jwilczek@archrsc.com
Date/Time:	2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit
Permit #: CO0038776
Major: No
Permitted Feature: 012 External Outfall

Permittee:
Permittee Address: Mountain Coal Co LLC
5174 Hwy 133
Someset, CO 81434

Discharge: 012-AA
Mine Water to Minnesota Creek

Facility:
Facility Location: WEST ELK MINE
HWY 133, E OF TOWN
GUNNISON COUNTY, CO 81434

Report Dates & Status
Monitoring Period: From 10/01/22 to 10/31/22

DMR Due Date: 11/28/22

Status: NetDMR Validated

Considerations for Form Completion
TSS and TOTAL RECOVERABLE IRON LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24-HR PRECIP EVENTS - SEE PG. 15 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD. OIL AND GREASE- SEE LC.a. REPORT CALCULATED SAR AT MLOC=EQ; ADJUSTED SAR AT MLOC=P.

Principal Executive Officer
First Name:
Last Name:
No Data Indicator (NODI)

Title:
Telephone:

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req.	Value NODI	Qualifier 1	Value 1	Quantity or Loading Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00010	Temperature, water deg. c/ntigrade	Z - Instream Monitoring	0	-	Sample Permit Req.	Value NODI												Req Mon MX WK AV C - No Discharge	04 - deg C	99/99 - Continuous	RC - Recorder (auto)
00400	pH	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon DAILY MX C - No Discharge	12 - SU	01/07 - Weekly	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon DAILY MX C - No Discharge	19 - ng/L	01/30 - Monthly	GR - GRAB
00940	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon 30DA AVG C - No Discharge	19 - ng/L	02/30 - Twice Per Month	GR - GRAB
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon 30DA AVG C - No Discharge	28 - ug/L	01/30 - Monthly	GR - GRAB
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month	GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req.	Value NODI												Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month	GR - GRAB

51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	-	Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	Month	GR - GRAB
51484	Number of Events	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	10.0 30DA AVG C - No Discharge	3.0 7 DA AVG C - No Discharge	01/30 - Monthly	CA - CALCTD
81020	Sulfate	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
81391	Duration of discharge	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	3.0 7 DA AVG C - No Discharge	5A - d	01/07 - Weekly	CA - CALCTD
82057	Baron, total	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
84066	Oil and grease Visual	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon INST Max AB - abs=0 prs=1 C - No Discharge	01/07 - Weekly	VI - VISUAL	

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

NPOULOS1031

Name:

Nicole Poulos

E-Mail:

npoulos@archrsc.com

Date/Time:

2022-11-04 09:05 (Time Zone: -06:00)

Report Last Signed By

User:

JWILCZEK

Name:

Jessica Wilczek

E-Mail:

jwilczek@archrsc.com

Date/Time:

2022-11-28 11:54 (Time Zone: -07:00)



Nicki Poulos
Environmental Engineer I
npoulos@archrsc.com
Phone: 970.929.2219

November 28, 2022

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

CDPS Number: CO0038776
Mountain Coal Company LLC
Weston Norris, GM
5174 HWY 133
Somerset, CO 81434

RE: October 2022 Discharge Monitoring Report (DMR)- Concerning Compliance Advisory dated November 11, 2022.

To Whom it may concern:

Mountain Coal Company LLC (MCC) received a Compliancy Advisory from the Colorado Department of Health and Environment (CDPHE/Division) dated November 11, 2022 regarding effluent limit violations for outfalls 025, 026, 027, 032 and 034 for iron exceedances. Stated outfalls, as well as outfalls 030, 033 and 035, are currently in litigation and are not subject to enforcement at this time.

MCC's legal team has been in contact with the Division and the Attorney General's office. It has been agreed on to withdraw the Compliance Advisory and adjust the coding on the DMR system to avoid this error until after the litigation and effluent limits are enforced.

MCC is required to submit the DMR by the 28th of every month. October 2022's DMR will be submitted with exceedances of iron in the interim of the Division's withdraw and system adjustment.

If you have any questions or concerns, please contact me at 970-929-2219 or via email.

Sincerely,

A handwritten signature in cursive script that reads "Nicki Poulos".

Nicki Poulos
Environmental Engineer

DMR Copy of Record

Permit
Permit #: **C00038776**
Major: **No**
Permitted Feature: **026 External Outfall**
Report Dates & Status: **From 10/01/22 to 10/31/22**
Monitoring Period: **From 10/01/22 to 10/31/22**
Considerations for Form Completion: **NetDMR Validated**

Facility:
Facility Location: **WEST ELK MINE
HWY 133, E OF TOWN
GUNNISON COUNTY, CO 81434**

Permittee:
Permittee Address: **Mountain Coal Co LLC
5174 Hwy 133
Someset, CO 81434**

Discharge:
026-A
Stormwater from Drainage Basin 49A3 to Sylvester Gulch

Status:
NetDMR Validated

Principal Executive Officer
First Name:
Last Name:
Title:
Telephone:

Parameter		Monitoring Location		Season # Param. NODI		Quantity or Loading		Quality or Concentration		Frequency of Analysis		Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	
00400	pH	1 - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	7.76	Req Mon MINIMUM	-	7.76	Req Mon MAXIMUM	12 - SU	0
00530	Solids, total suspended	1 - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	3900.0	Req Mon 30DA AVG	-	3900.0	Req Mon DAILY MX	19 - mg/L	0
00545	Solids, settleable	1 - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	32.0	Req Mon 30DA AVG	-	32.0	Req Mon DAILY MX	25 - mL/L	0
X 00980	Iron, total recoverable	1 - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	160000.0	1000.0 30DA AVG	<=	160000.0	6000.0 DAILY MX	28 - ug/L	0
50050	Flow, In conduit or thru treatment plant	1 - Effluent Gross	0	-	-	Sample Permit Req. Value NODI	0.005774	0.22 30DA AVG	03 - MGD	0.005774	Req Mon DAILY MX	03 - MGD	0

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.
Edit Check Errors

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00980	Iron, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00980	Iron, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Attachments
ComplianceAdvisoryResponseOutfall026.pdf
Report Last Saved By: **Mountain Coal Co LLC**
User: **NPOULOS1031**
Name: **Nicolas Poulos**
E-Mail: **npoulos@archrsc.com**
Date/Time: **2022-11-28 11:39 (Time Zone: -07:00)**
Report Last Signed By: **JWILCZEK**
User: **JWILCZEK**

Name: Jessica Wilczek
E-Mail: jwilczek@archisc.com
Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)



Nicki Poulos
Environmental Engineer I
npoulos@archrsc.com
Phone: 970.929.2219

November 28, 2022

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

CDPS Number: CO0038776
Mountain Coal Company LLC
Weston Norris, GM
5174 HWY 133
Somerset, CO 81434

RE: October 2022 Discharge Monitoring Report (DMR)- Concerning Compliance Advisory
dated November 11, 2022.

To Whom it may concern:

Mountain Coal Company LLC (MCC) received a Compliancy Advisory from the Colorado Department of Health and Environment (CDPHE/Division) dated November 11, 2022 regarding effluent limit violations for outfalls 025, 026, 027, 032 and 034 for iron exceedances. Stated outfalls, as well as outfalls 030, 033 and 035, are currently in litigation and are not subject to enforcement at this time.

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If you have any questions or concerns, please contact me at 970-929-2219 or via email.

Sincerely,

A handwritten signature in cursive script that reads "Nicki Poulos".

Nicki Poulos
Environmental Engineer

DMR Copy of Record

Permit

Permit #: C00038776
Major: No

Permittee: Mountain Coal Co LLC
Permittee Address: 5174 Hwy 133
Someset, CO 81434

Facility: WEST ELK MINE
Facility Location: HWY 133, E OF TOWN
GUNNISON COUNTY, CO 81434

Permitted Feature: 025
External Outfall

Discharge: 025-A
Stormwater from Drainage Basin 49A5 to Sylvester Gulch

Report Dates & Status

Monitoring Period: From 10/01/22 to 10/31/22

DMR Due Date: 11/28/22

Status: NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:
Title:
Telephone:
No Data Indicator (NODI)

Form NODI:																		
Parameter Name		Monitoring Location		Season	Param. NODI	Quantity or Loading		Quality or Concentration		# of Ex. Frequency of Analysis				Sample Type				
Code						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Units			
00400	pH	1 - Effluent Gross	0	-		Sample					8.22	Req Mon MINIMUM				12 - SU	GR - GRAB	
						Permit Req. Value NODI										8.22	Req Mon MAXIMUM	12 - SU
00530	Solids, total suspended	1 - Effluent Gross	0	-		Sample										19 - mg/L	GR - GRAB	
						Permit Req. Value NODI												3300.0
00545	Solids, settleable	1 - Effluent Gross	0	-		Sample										25 - mL	GR - GRAB	
						Permit Req. Value NODI												30.0
X 00980	Iron, total recoverable	1 - Effluent Gross	0	-		Sample										28 - ug/L	GR - GRAB	
						Permit Req. Value NODI												
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		Sample											0130 - Monthly	IN - INSTAN
						Permit Req. Value NODI												

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.
Edit Check Errors

Code	Parameter Name	Monitoring Location	Field	Type	Description		Acknowledge
					Value 3	Value 2	
00980	Iron, total recoverable	1 - Effluent Gross	Quality or Concentration	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.		Yes
00980	Iron, total recoverable	1 - Effluent Gross	Quality or Concentration	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.		Yes

Comments

Attachments

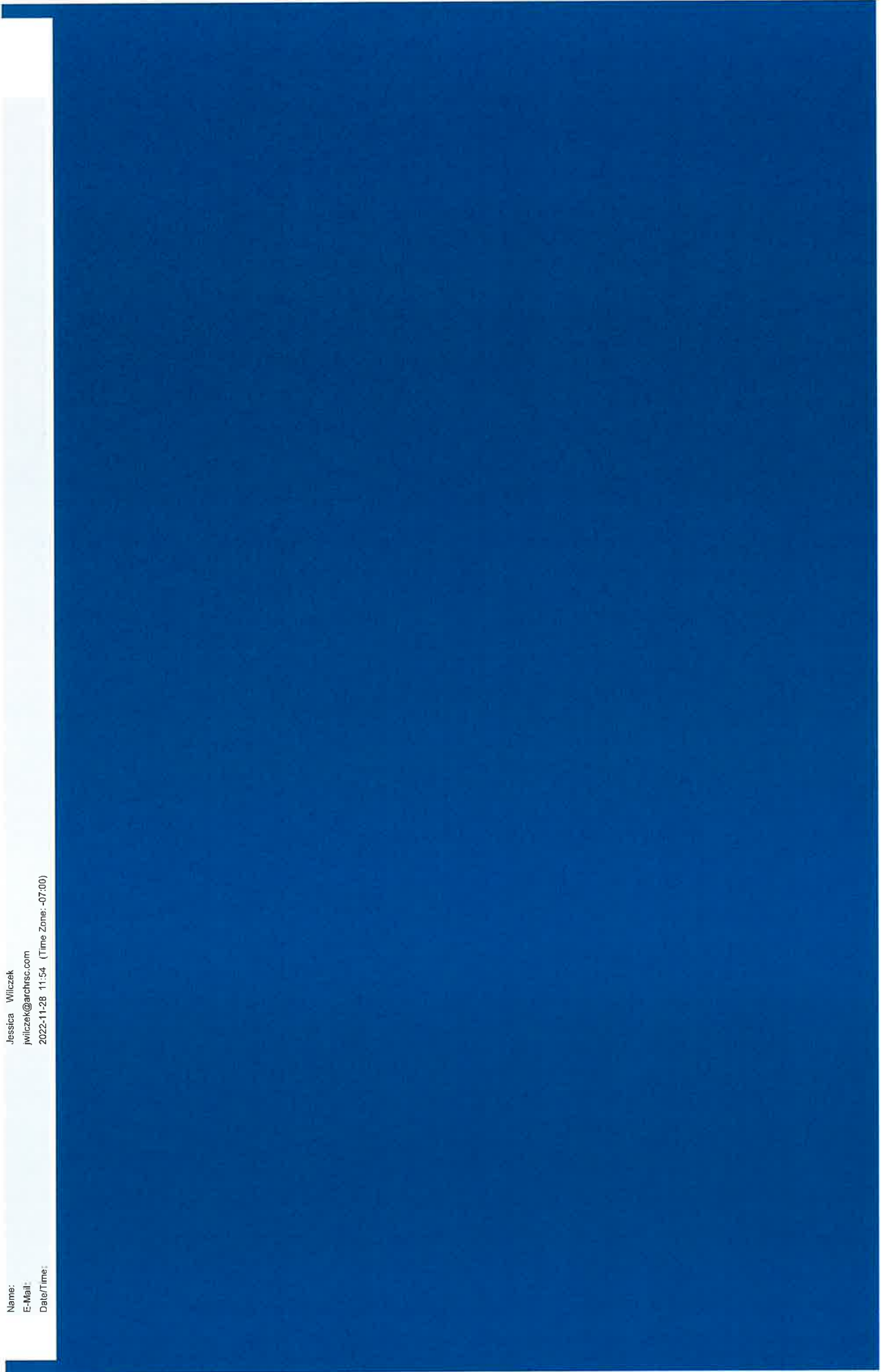
ComplianceAdvisoryResponseOutfall025.pdf

Report Last Saved By
Mountain Coal Co LLC

User: NPOULOS1031
Name: Nicole Poulos
E-Mail: npoulos@archrsc.com
Date/Time: 2022-11-28 11:39 (Time Zone: -07:00)
Report Last Signed By
User: JWILCZEK

Name:
E-Mail:
Date/Time:

Jessica Wilczek
jwilczek@archsc.com
2022-11-28 11:54 (Time Zone: -07:00)



Permit					
Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Somersel, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	005 External Outfall	Discharge:	005-AA Coal Conveyor Runoff (MB-3)		
Report Dates & Status	DMR Due Date:		NetDMR Validated		
Monitoring Period:	From 10/01/22 to 10/31/22		11/28/22		
Considerations for Form Completion					
TSS and TOTAL RECOVERABLE LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR.24HR PRECIP EVENTS -SEE PG. 14 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.OIL AND GREASE- SEE I.C.1a. REPORT CALCULATED SAR AT MLOC-EG; ADJUSTED SAR AT MLOC-P.					
Principal/ Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					
No Data Indicator (NODI)					
Form NODI:					

Code	Parameter Name	Monitoring Location	Reason # Param. NOD	Qualifier 1		Quantity or Loading		Units	Qualifier 2		Units	Qualifier 3		Units	# of Ex. Frequency of Analysis Sample Type
				Value 1	Value 2	Qualifier 1	Qualifier 2		Value 1	Value 2		Qualifier 3	Value 3		
00094	Conductivity	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	7B - dS/m	02/30 - Twice Per Month GR - GRAB
00400	pH	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	<=	-	5.0 MAXIMUM C - No Discharge	01/30 - Monthly GR - GRAB
00440	Bicarbonate Ion-[as HCO3]	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	Req Mon DAILY MX C - No Discharge	02/30 - Twice Per Month GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	<=	-	35.0 30DA AVG C - No Discharge	01/30 - Monthly GR - GRAB
00618	Calcium, total recoverable	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	Req Mon DAILY MX C - No Discharge	02/30 - Twice Per Month GR - GRAB
00621	Magnesium, total recoverable	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	Req Mon DAILY MX C - No Discharge	02/30 - Twice Per Month GR - GRAB
00623	Sodium, total recoverable	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	Req Mon DAILY MX C - No Discharge	02/30 - Twice Per Month GR - GRAB
00631	Sodium adsorption ratio	EG - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	Req Mon DAILY MX C - No Discharge	02/30 - Twice Per Month CA - CALCTD
00631	Sodium adsorption ratio	P - See Comments	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	Req Mon DAILY MX C - No Discharge	02/30 - Twice Per Month CA - CALCTD
00640	Chloride [as Cl]	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	19 - mg/L	02/30 - Twice Per Month GR - GRAB
00678	Arsenic, total recoverable	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	Req Mon 30DA AVG C - No Discharge	-	28 - ug/L	02/30 - Twice Per Month GR - GRAB
00680	Iron, total recoverable	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	<=	-	7000.0 DAILY MX C - No Discharge	01/30 - Monthly GR - GRAB
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	-	-	-	-	-	-	-	<=	-	3297.0 30DA AVG C - No Discharge	02/30 - Twice Per Month GR - GRAB

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

Name:

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

NPOULOS1031

Nicole Poulos

npoulos@archrsc.com

2022-11-23 08:35 (Time Zone: -07:00)

JWILCZEK

Jessica Wilczek

jwilczek@archrsc.com

2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	CO0038776	Mountain Coal Co LLC		WEST ELK MINE	
Major:	No	5174 Hwy 133 Someset, CO 81434		HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434	
Permitted Feature:		Discharge:			
011 External Outfall		011-AA Mine Water to Sylvester Gulch			
Report Dates & Status		DMR Due Date:		Status:	
Monitoring Period: From 10/01/22 to 10/31/22		11/28/22		NetDMR Validated	

Considerations for Form Completion
TSS AND TOTAL RECOVERABLE LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR/24HR PRECIP EVENTS -SEE PG. 14 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.OIL AND GREASE- SEE I.C.a. REPORT CALCULATED SAR AT MLOC=EG; ADJUSTED SAR AT MLOC=P.

Principal Executive Officer
First Name:
Last Name:
Title:
Telephone:

Code	Parameter Name	Monitoring Location	Session #Param. NODI	Quantity or Loading		Quality or Concentration		Frequency of Analysis		Sample Type
				Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 1	Value 1	
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0					Req Mon MX WK AV	04 - deg C	9999 - Continuous
								C - No Discharge		RC - Recorder (auto)
00094	Conductivity	1 - Effluent Gross	0					Req Mon 30DA AVG	79 - dS/m	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00400	pH	1 - Effluent Gross	0					6.5 MINIMUM	12 - SU	01/07 - Weekly
								C - No Discharge		GR - GRAB
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0					Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00530	Solids, total suspended	1 - Effluent Gross	0					35.0 30DA AVG	19 - mg/L	01/30 - Monthly
								C - No Discharge		GR - GRAB
00918	Calcium, total recoverable	1 - Effluent Gross	0					Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00921	Magnesium, total recoverable	1 - Effluent Gross	0					Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00923	Sodium, total recoverable	1 - Effluent Gross	0					Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00931	Sodium adsorption ratio	EG - Effluent Gross	0					Req Mon 30DA AVG	1U - Ratio	02/30 - Twice Per Month CA - CALCTD
								C - No Discharge		
00931	Sodium adsorption ratio	P - See Comments	0					Req Mon 30DA AVG	1U - Ratio	02/30 - Twice Per Month CA - CALCTD
								C - No Discharge		
00940	Chloride [as Cl]	1 - Effluent Gross	0					Req Mon 30DA AVG	19 - mg/L	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00978	Arsenic, total recoverable	1 - Effluent Gross	0					Req Mon 30DA AVG	28 - ug/L	02/30 - Twice Per Month GR - GRAB
								C - No Discharge		
00980	Iron, total recoverable	1 - Effluent Gross	0					1000.0 30DA AVG	28 - ug/L	01/30 - Monthly
								C - No Discharge		GR - GRAB

92057	Boron, total	1 - Effluent Gross	0	Value NOD	Req Mon INST MAX	AB - abate=0	grat=1	C - No Discharge	01/07 - Weekly	WI - VISUAL
84066	Oil and grease visual	1 - Effluent Gross	0	Value NOD				C - No Discharge		
Submission Note If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row, Units, Number of Excursions, Frequency of Analysis, and Sample Type. Edit Check Errors No errors. Comments No Discharge Attachments No attachments. Report Last Saved By Mountain Coal Co LLC User: NPQULOS1031 Name: Nicole Poulos E-Mail: npoulos@archisc.com Date/Time: 2022-11-04 09:05 (Time Zone: -06:00) Report Last Signed By JWILCZEK User: Jessica Wiltzek Name: jwiltzek@archisc.com E-Mail: 2022-11-28 11:54 (Time Zone: -07:00)										

DMR Copy of Record

Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Someset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	008 External Outfall	Discharge:	008-AA Loadout Runoff (MB4)		
Report Dates & Status		DMR Due Date:	11/28/22	Status:	NetDMR Validated
Monitoring Period:	From 10/01/22 to 10/31/22				

Considerations for Form Completion
TSS AND TOTAL RECOVERABLE IRON LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENTS -SEE PG. 15 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.OIL AND GREASE- SEE I.C.a REPORT CALCULATED SAR AT MLOC=EG; ADJUSTED SAR AT MLOC=P.

Principal Executive Officer
First Name:
Last Name:
No Data Indicator (NODI)
Form NODI:

Title:
Telephone:

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample	Qualifier 1	Value 1	Quantity or Loading	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00094	Conductivity	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													7B - dS/m	0230 - Twice Per Month	GR - GRAB
00400	pH	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													12 - SU	0130 - Monthly	GR - GRAB
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													19 - mg/L	0230 - Twice Per Month	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													19 - mg/L	0130 - Monthly	GR - GRAB
00818	Calcium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													19 - mg/L	0730 - Twice Per Month	GR - GRAB
00821	Magnesium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													19 - mg/L	0230 - Twice Per Month	GR - GRAB
00823	Sodium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													19 - mg/L	0230 - Twice Per Month	GR - GRAB
00831	Sodium adsorption ratio	EG - Effluent Gross	0	-	Sample Permit Req. Value NODI													1U - Ratio	0230 - Twice Per Month	CA - CALCTD
00831	Sodium adsorption ratio	P - See Comments	0	-	Sample Permit Req. Value NODI													1U - Ratio	0230 - Twice Per Month	CA - CALCTD
00840	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													19 - mg/L	0230 - Twice Per Month	GR - GRAB
00878	Arsenic, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													28 - ug/L	0230 - Twice Per Month	GR - GRAB
00880	Iron, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI													28 - ug/L	0130 - Monthly	GR - GRAB
01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	-	Sample Permit Req.													28 - ug/L	0230 - Twice Per Month	GR - GRAB

01055	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						Req Mon DAILY MX C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						10.0 INST MAX C - No Discharge	19 - mg/L	7777 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon DAILY MX C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI	0.03 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	03 - MGD					0120 - Monthly IN - INSTAN
50286	Mercury, total [low level]	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	28 - ug/L	0220 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	19 - mg/L	0220 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	19 - mg/L	0220 - Twice Per Month GR - GRAB
82057	Boron, total	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI						C - No Discharge Req Mon 30DA AVG C - No Discharge	19 - mg/L	0220 - Twice Per Month GR - GRAB
84056	Oil and grease Visual	1 - Effluent Gross	0	Value NODI Sample Permit Req. Value NODI	Req Mon INST MAX C - No Discharge	AB - obs=0,pre=1						0120 - Monthly VI - VISUAL

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

Name:

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

NPOULCS1031

Nicole Poulos

npoulos@archrsc.com

2022-11-04 09:04 (Time Zone: -06:00)

JWILCZEK

Jessica Wilczek

jwilczek@archrsc.com

2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Somerset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	007 Internal Outfall	Discharge:	007-A Domestic WWTP Polishing Pond		

Report Dates & Status		Status:	Not DMR Validated
Monitoring Period:	From 10/01/22 to 10/31/22		

Considerations for Form Completion
30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.

Principal Executive Officer

Last Name: _____ Title: _____ Telephone: _____

No Data Indicator (NODI)

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Quantity or Loading	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	-	Sample = 0.29359 Permit Req. <= 5.0 30DA AVG Value NODI	Qualifier 1 = 5.0 30DA AVG	Value 1 = 0.29359	Qualifier 2 = 30.0 30DA AVG <=	Value 2 = 4.0	Qualifier 3 = 45.0 MX 7D AV	Value 3 = 19 - mg/L	19 - mg/L	0130 - Monthly 0130 - Monthly 0	GR - GRAB GR - GRAB
00550	Solids, total suspended	1 - Effluent Gross	0	-	Sample = 0.366978 Permit Req. <= 12.0 30DA AVG Value NODI	Qualifier 1 = 12.0 30DA AVG	Value 1 = 0.366978	Qualifier 2 = 75.0 30DA AVG <=	Value 2 = 5.0	Qualifier 3 = 110.0 MX 7D AV	Value 3 = 19 - mg/L	19 - mg/L	0107 - Weekly 0107 - Weekly 0	GR - GRAB GR - GRAB
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	-	Sample = 0.008601 Permit Req. <= 0.02 30DA AVG Value NODI	Qualifier 1 = 0.02 30DA AVG	Value 1 = 0.008601	Qualifier 2 = 85.0 30DA AVG <=	Value 2 = 0.08	Qualifier 3 = 85.0 DAILY MX	Value 3 = 19 - mg/L	19 - mg/L	0130 - Monthly 0130 - Monthly 0	GR - GRAB GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample = 0.008601 Permit Req. <= 0.02 30DA AVG Value NODI	Qualifier 1 = 0.02 30DA AVG	Value 1 = 0.008601	Qualifier 2 = 85.0 30DA AVG <=	Value 2 = 0.08	Qualifier 3 = 85.0 DAILY MX	Value 3 = 19 - mg/L	19 - mg/L	9999 - Continuous 9999 - Continuous 0	RC - Recorder (auto) RC - Recorder (auto)

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User: NPOULOS1031
Name: Nicole Poulos
E-Mail: npoulos@archrsc.com
Date/Time: 2022-11-22 08:49 (Time Zone: -07:00)

Report Last Signed By

User: JWILCZEK
Name: Jessica Wilczek
E-Mail: jwilczek@archrsc.com
Date/Time: 2022-11-28 11:54 (Time Zone: -07:00)

DMR Copy of Record

Permit		Permittee:		Facility:																																															
Permit #:	CO0038778	Permittee Address:	Mountain Coal Co LLC	Facility Location:	WEST ELK MINE																																														
Major:	No	Discharge:	5174 Hwy 133 Someset, CO 81434		HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434																																														
Permitted Feature:		Status:																																																	
UST2 Receiving Water (Ambient)		NetDMR Validated																																																	
Report Dates & Status		DMR Due Date:																																																	
Monitoring Period: From 10/01/22 to 10/31/22		11/28/22																																																	
Considerations for Form Completion																																																			
Principal Executive Officer																																																			
First Name:		Title:		Telephone:																																															
Last Name:																																																			
No Data Indicator (NODI)																																																			
Form NODI:	-																																																		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample																																														
00010	Temperature, water deg. centigrade	Z - Instream Monitoring	0	-	Permit Rec. Value NODI																																														
<table border="1"> <thead> <tr> <th colspan="2">Quantity or Loading</th> <th colspan="2">Quantity or Concentration</th> <th colspan="2"># of Ex. Frequency of Analysis</th> <th>Sample Type</th> </tr> <tr> <th>Qualifier 1</th> <th>Value 1</th> <th>Qualifier 2</th> <th>Value 2</th> <th>Qualifier 3</th> <th>Value 3</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td></td> <td>10.574</td> <td></td> <td>=</td> <td></td> <td>11.334</td> <td>04 - deg C</td> <td>9999 - Continuous</td> </tr> <tr> <td></td> <td>Req Mon MX WK AV</td> <td></td> <td></td> <td></td> <td>Req Mon DAILY MX</td> <td>04 - deg C</td> <td>9999 - Continuous</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RC - Recorder (auto)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RC - Recorder (auto)</td> </tr> </tbody> </table>						Quantity or Loading		Quantity or Concentration		# of Ex. Frequency of Analysis		Sample Type	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		10.574		=		11.334	04 - deg C	9999 - Continuous		Req Mon MX WK AV				Req Mon DAILY MX	04 - deg C	9999 - Continuous								RC - Recorder (auto)								RC - Recorder (auto)
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Attachments																																																			
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Mountain Coal Co LLC																																																			
User:																																																			
NPOULOS1031																																																			
Name:																																																			
Nicole Poulos																																																			
E-Mail:																																																			
npoulos@archisc.com																																																			
Date/Time:																																																			
2022-11-22 08:53 (Time Zone: -07:00)																																																			
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User:																																																			
JWILCZEK																																																			
Name:																																																			
Jessica Wilczek																																																			
E-Mail:																																																			
jwilczek@archisc.com																																																			
Date/Time:																																																			
2022-11-28 11:54 (Time Zone: -07:00)																																																			

DMR Copy of Record

Permit #:	CO0038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Somerset, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	014 External Outfall	Discharge:	014-AA Surface Runoff to Sylvester Gulch		
Report Dates & Status		DMR Due Date:	11/28/22	Status:	NetDMR Validated

Monitoring Period: From 10/01/22 to 10/31/22

Considerations for Farm Completion

TSS & TOTAL RECOVERABLE IRON LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR, 24HR PRECIP EVENTS -SEE PG. 21 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

Form NODI:		Monitoring Location		Season	# Param.	NODI	Quantity or Loading		Quality or Concentration		# of Ex.		Frequency of Analysis	Sample Type
Code	Parameter Name						Value 1	Qualifier 1	Value 2	Qualifier 2	Value 3	Qualifier 3	Units	
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--										
		Sample												
		Permit Req.												
		Value NODI												
00400	pH	1 - Effluent Gross	0	--										
		Sample												
		Permit Req.												
		Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--										
		Sample												
		Permit Req.												
		Value NODI												
00980	Iron, total recoverable	1 - Effluent Gross	0	--										
		Sample												
		Permit Req.												
		Value NODI												
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--										
		Sample												
		Permit Req.												
		Value NODI												

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

Name:

E-Mail:

Date/Time:

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

NPOULOS1031

Nicole Poulos

npoulos@archtrsc.com

2022-11-04 09:06 (Time Zone: -06:00)

JWILCZEK

Jessica Wilczek

jwilczek@archtrsc.com

2022-11-28 11:54 (Time Zone: -07:00)



Nicki Poulos
Environmental Engineer I
npoulos@archrsc.com
Phone: 970.929.2219

November 28, 2022

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

CDPS Number: CO0038776
Mountain Coal Company LLC
Weston Norris, GM
5174 HWY 133
Somerset, CO 81434

RE: October 2022 Discharge Monitoring Report (DMR)- Concerning Compliance Advisory
dated November 11, 2022.

To Whom it may concern:

Mountain Coal Company LLC (MCC) received a Compliancy Advisory from the Colorado Department of Health and Environment (CDPHE/Division) dated November 11, 2022 regarding effluent limit violations for outfalls 025, 026, 027, 032 and 034 for iron exceedances. Stated outfalls, as well as outfalls 030, 033 and 035, are currently in litigation and are not subject to enforcement at this time.

MCC's legal team has been in contact with the Division and the Attorney General's office. It has been agreed on to withdraw the Compliance Advisory and adjust the coding on the DMR system to avoid this error until after the litigation and effluent limits are enforced.

MCC is required to submit the DMR by the 28th of every month. October 2022's DMR will be submitted with exceedances of iron in the interim of the Division's withdraw and system adjustment.

If you have any questions or concerns, please contact me at 970-929-2219 or via email.

Sincerely,

A handwritten signature in cursive script that reads "Nicki Poulos".

Nicki Poulos
Environmental Engineer

DMR Copy of Record

Permit		Permittee:		Facility:	
Permit #:	CO0038776	Mountain Coal Co LLC	WEST ELK MINE	Hwy 133, E OF TOWN	
Major:	No	5174 Hwy 133	Gunnison County, CO	81434	
Permitted Feature:		Discharge:			
035 External Outfall		Stormwater Runoff from Train Loadout Area to N. Fork of Gunnison River			
Report Dates & Status		DMR Due Date:			
Monitoring Period: From 10/01/22 to 10/31/22		11/28/22			
Considerations for Form Completion		Status: NotDMR Validated			

Principal Executive Officer		Telephone:	
First Name:			
Last Name:			

Form NOD:		Monitoring Location Season & Param. NOD		Quantity or Loading		Quality or Concentration		# of Ex. Frequency of Analysis Sample Type	
Code	Parameter Name	Sample Permit Req. Value NOD	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Units	Units
00400	pH	1 - Effluent Gross 0		6.89				Req Mon MINIMUM	Req Mon MAXIMUM
00530	Solids, total suspended	1 - Effluent Gross 0						19 - mg/L	19 - mg/L
X 00580	Iron, total recoverable	1 - Effluent Gross 0						3300.0	3300.0
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross 0						0.0007488	0.0007488

Submission Note
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.
 Edit Check Errors

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00980	Iron, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Attachments		Name		Type	Size
ComplianceAdvisoryResponseOutfall035.pdf				pdf	180506.0
Report Last Saved By					
Mountain Coal Co LLC					
User:					
NPOULOS1031					
Nicola Poulos					
npoulos@archrsc.com					
Date/Time:					
2022-11-28 11:43 (Time Zone: -07:00)					
Report Last Signed By					
JWILCZEK					
Jessica Wilczek					
jwilczek@archrsc.com					
Date/Time:					
2022-11-28 11:54 (Time Zone: -07:00)					

DMR Copy of Record

Permit

Permit #:	C00038776	Permittee:	Mountain Coal Co LLC	Facility:	WEST ELK MINE
Major:	No	Permittee Address:	5174 Hwy 133 Somersel, CO 81434	Facility Location:	HWY 133, E OF TOWN GUNNISON COUNTY, CO 81434
Permitted Feature:	017 External Outfall	Discharge:	017-AA Mine Water & MWTF		

Report Dates & Status

Monitoring Period:	From 10/01/22 to 10/31/22	DMR Due Date:	11/28/22	Status:	NetDMR Validated
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Considerations for Form Completion

TSS AND TOTAL RECOVERABLE IRON LIMITS WILL BE WAIVED, & SETTLEABLE SOLIDS LIMIT APPLIED FOR <=10YR,24HR PRECIP EVENTS -SEE PG. 15 FOR REQUIREMENTS. 30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING REPORTING PERIOD.OIL AND GREASE- SEE I.C.A. REPORT CALCULATED SAR AT MLOC=EG; ADJUSTED SAR AT MLOC=P.

Principal Executive Officer

First Name:

Last Name:

No Data Indicator (NODI)

Form NODI:

Title:

Telephone:

Code	Parameter Name	Monitoring Location	Season	Param. NODI	Sample Permit Req. Value NODI	Qualifier 1	Value 1	Quantity or Loading Qualifier 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex. Frequency of Analysis	Sample Type
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon MX WK AV C - No Discharge		Req Mon DAILY MX 04 - deg C C - No Discharge	98/99 - Continuous	RC - Recorder (auto)
00094	Conductivity	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		7B - dS/m	02/30 - Twice Per Month	GR - GRAB
00400	pH	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									6.5 MINIMUM C - No Discharge		9.0 MAXIMUM C - No Discharge	01/07 - Weekly	GR - GRAB
00440	Bicarbonate Ion- [as HCO3]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									35.0 30DA AVG C - No Discharge		70.0 DAILY MX 19 - mg/L C - No Discharge	01/30 - Monthly	GR - GRAB
00818	Calcium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month	GR - GRAB
00821	Magnesium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month	GR - GRAB
00823	Sodium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 19 - mg/L C - No Discharge	02/30 - Twice Per Month	GR - GRAB
00831	Sodium adsorption ratio	EG - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 10 - Ratio C - No Discharge	02/30 - Twice Per Month	CA - CALCTD
00831	Sodium adsorption ratio	P - See Comments	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX 10 - Ratio C - No Discharge	02/30 - Twice Per Month	CA - CALCTD
00840	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		19 - mg/L	02/30 - Twice Per Month	GR - GRAB
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									100.0 30DA AVG C - No Discharge		28 - ug/L	02/30 - Twice Per Month	GR - GRAB
00980	Iron, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									1000.0 30DA AVG C - No Discharge		6000.0 DAILY MX 28 - ug/L	01/30 - Monthly	GR - GRAB

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

No Discharge

Attachments

No attachments

Report Last Saved By

Mountain Coal Co LLC

User:

NPOULOS1031

Name:

Nicole Poulos

E-Mail:

npoulos@archrsc.com

Date/Time:

2022-11-04 09:06 (Time Zone: -06:00)

Report Last Signed By

User:

JWILCZEK

Name:

Jessica Wilczek

E-Mail:

jwilczek@archrsc.com

Date/Time:

2022-11-28 11:54 (Time Zone: -07:00)