

DMR Copy of Record

Permit

Permit #:

CO0034142

Major:

No

Permittee:

Moffat County Mining LLC

Permittee Address:

29515 Routt CR 27
Oak Creek, CO 80467

Facility:

WILLIAMS FORK MINE

Facility Location:

1030 CR 107
CRAIG, CO 81626

Permitted Feature:

003
External Outfall

Discharge:

003-A
No. 6 Mine to Williams Fork River

Report Dates & Status

Monitoring Period:

From 04/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Oil and grease sample required if visible shee is observed. Qtrly sampling instructions - I.C.12, pg 11.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample														99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C			
					Value NODI									C - No Discharge		C - No Discharge				
00400	pH	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00745	Sulfide, total [as S]	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			19 - mg/L			
					Value NODI									C - No Discharge						
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
01002	Arsenic, total [as As]	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L			
					Value NODI									C - No Discharge						
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
01304	Silver, potentially dissolved	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L			
					Value NODI											C - No Discharge				
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
01318	Lead, potentially dissolvd	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				

01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample														
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample														
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample														
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
03582	Oil and grease	1 - Effluent Gross	0	--	Sample														
					Permit Req.										<=	10.0 INST MAX	19 - mg/L		
					Value NODI											C - No Discharge			
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample														
					Permit Req.											Req Mon DAILY MX	28 - ug/L		
					Value NODI											C - No Discharge			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														
					Permit Req.		Req Mon 30DA AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI		C - No Discharge		C - No Discharge										
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample														
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		
					Value NODI									C - No Discharge		C - No Discharge			
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample														
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		
					Value NODI									C - No Discharge					
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample														
					Permit Req.				Req Mon INST MAX	9P - N=0;Y=1									
					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

Attachments

No attachments.

Report Last Saved By

Moffat County Mining LLC

User: MBLOMQUIST@PEABODYENERGY.COM

Name: Miranda Kawcak

E-Mail: mblomquist@peabodyenergy.com

Date/Time: 2020-07-27 07:50 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM

Name: Miranda Kawcak

E-Mail: mblomquist@peabodyenergy.com

Date/Time: 2020-07-28 16:04 (Time Zone: -06:00)

DMR Copy of Record

Permit

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CO0034142

Major:

No

Permittee:

Moffat County Mining LLC

Permittee Address:

29515 Routt CR 27
Oak Creek, CO 80467

Facility:

WILLIAMS FORK MINE

Facility Location:

1030 CR 107
CRAIG, CO 81626

Permitted Feature:

022
External Outfall

Discharge:

022-A
Spoils Springs to Channel Prior to Discharge to Williams Fork River

Report Dates & Status

Monitoring Period:

From 04/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Oil and grease sample required if visible sheen is observed. Qtrly sampling instructions - I.C.12, pg 11.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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	Qualifier 3	Value 3	Units			
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample								=	12.57	=	20.5	04 - deg C	0	99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.1			=	8.2	12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							<	20.0	<	20.0		19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	35.0 30DA AVG	<=	70.0 DAILY MX		19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00745	Sulfide, total [as S]	1 - Effluent Gross	0	--	Sample							<	0.1				19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG				19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample							=	433.0	=	490.0		28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.							<=	1000.0 30DA AVG	<=	6000.0 DAILY MX		28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01002	Arsenic, total [as As]	1 - Effluent Gross	0	--	Sample							=	0.7				28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG				28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample										<	50.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample							<	50.0	<	50.0		28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01304	Silver, potentially dissolved	1 - Effluent Gross	0	--	Sample							<	30.0	<	30.0		28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L		01/30 - Monthly	GR - GRAB
					Value NODI															
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample							<	50.0	<	50.0		28 - ug/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L		01/30 - Monthly	GR - GRAB

					Value NODI																
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample										=	0.6	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon DAILY MX	28 - ug/L	01/30 - Monthly		GR - GRAB		
					Value NODI																
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	0.3	<	0.3	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI																
01318	Lead, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI																
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	680.0	=	810.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI																
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	40.0	<	40.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI																
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	1.0	=	1.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX		28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI																
03582	Oil and grease	1 - Effluent Gross	0	--	Sample																
					Permit Req.											<=	10.0 INST MAX		19 - mg/L	77/77 - Contingent	GR - GRAB
					Value NODI												9 - Conditional Monitoring - Not Required This Period				
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample										=	10.0	28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB	
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.041	=	0.05	03 - MGD								0	01/07 - Weekly	IN - INSTAN	
					Permit Req.		Req Mon 30DA AVG		Req Mon DAILY MX	03 - MGD									01/30 - Monthly	IN - INSTAN	
					Value NODI																
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample								=	1830.0	=	1830.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX		19 - mg/L	01/90 - Quarterly	GR - GRAB
					Value NODI																
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample								<	1.0			28 - ug/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										Req Mon 30DA AVG				28 - ug/L	01/30 - Monthly	GR - GRAB
					Value NODI																
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample			=	0.0	9P - N=0;Y=1									02/30 - Twice Per Month	VI - VISUAL	
					Permit Req.				Req Mon INST MAX	9P - N=0;Y=1									02/30 - Twice Per Month	VI - VISUAL	
					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

Attachments

No attachments.

Report Last Saved By

Moffat County Mining LLC

User: MBLOMQUIST@PEABODYENERGY.COM

Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2020-07-28 15:52 (Time Zone: -06:00)
Report Last Signed By	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2020-07-28 16:04 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0034142

Major:

No

Permittee:

Moffat County Mining LLC

Permittee Address:

29515 Routt CR 27
Oak Creek, CO 80467

Facility:

WILLIAMS FORK MINE

Facility Location:

1030 CR 107
CRAIG, CO 81626

Permitted Feature:

FLOW
External Outfall

Discharge:

FLOW-A
Total Flow

Report Dates & Status

Monitoring Period:

From 04/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Report total flow from 003A, 022A and 024A.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form 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

only outfall 022A discharged.

Attachments

No attachments.

Report Last Saved By

Moffat County Mining LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2020-07-28 16:00 (Time Zone: -06:00)

Report Last Signed By

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2020-07-28 16:04 (Time Zone: -06:00)

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Permittee Address:

29515 Routt CR 27
Oak Creek, CO 80467

Facility:

WILLIAMS FORK MINE

Facility Location:

1030 CR 107
CRAIG, CO 81626

Permitted Feature:

024
External Outfall

Discharge:

024-A
Mine Dewatering to Sedimentation Basin Prior to Discharge to Williams Fork River

Report Dates & Status

Monitoring Period:

From 04/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Oil and grease sample required if visible sheen is observed. Qtrly sampling instructions - I.C.12, pg 11.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample														
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	
					Value NODI										C - No Discharge		C - No Discharge		
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample														
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	
					Value NODI										C - No Discharge		C - No Discharge		
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample														
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	
					Value NODI										C - No Discharge		C - No Discharge		
03582	Oil and grease	1 - Effluent Gross	0	--	Sample														
					Permit Req.											<=	10.0 INST MAX	19 - mg/L	
					Value NODI												C - No Discharge		
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample														
					Permit Req.												Req Mon DAILY MX	28 - ug/L	
					Value NODI												C - No Discharge		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														
					Permit Req.		Req Mon 30DA AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI		C - No Discharge		C - No Discharge										
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample														
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L	
					Value NODI										C - No Discharge		C - No Discharge		
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample														
					Permit Req.										Req Mon 30DA AVG			28 - ug/L	
					Value NODI										C - No Discharge				
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample														
					Permit Req.				Req Mon INST MAX	9P - N=0;Y=1									
					Value NODI				C - No Discharge										

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Edit Check Errors

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Comments

Attachments

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User: MBLOMQUIST@PEABODYENERGY.COM

Name: Miranda Kawcak

E-Mail: mblomquist@peabodyenergy.com

Date/Time: 2020-07-27 07:51 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM

Name: Miranda Kawcak

E-Mail: mblomquist@peabodyenergy.com

Date/Time: 2020-07-28 16:04 (Time Zone: -06:00)