

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:

024
External Outfall

Discharge:

024-X
Chronic WET Testing at 024A

Report Dates & Status

Monitoring Period:

From 01/01/20 to 12/31/20

DMR Due Date:

01/28/21

Status:

NetDMR Validated

Considerations for Form Completion

SEE I.B.3, FOT DETAILS OF TEST PROCEDURE. RPT RESULTS OF LETHALITY DERIVS AS "% EFFECT", GROWTH&REPRODDEIVS AS "TOXICITY". RPT LOWEST % EFFL AT WHICH STATISTICALLY SIGNIF DIFF WAS OBSERVED USING CODE "S".RPT IC25 USING CODE "P". IWC=18%. ATTACH TOX REPORT FORM TO DMR.

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			
61426	Toxicity [chronic], Ceriodaphnia dubia	P - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic			
					Value NODI							C - No Discharge								
61426	Toxicity [chronic], Ceriodaphnia dubia	S - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic			
					Value NODI							C - No Discharge								
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	P - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic			
					Value NODI							C - No Discharge								
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	S - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic			
					Value NODI							C - No Discharge								
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					23 - %			
					Value NODI							C - No Discharge								
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.					>=		18.0 MN VALUE					23 - %			
					Value NODI							C - No Discharge								
TCP6C	%Effect Statre 7Day Chronic Pimephales	P - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					23 - %			
					Value NODI							C - No Discharge								
TCP6C	%Effect Statre 7Day Chronic Pimephales	S - See Comments	0	--	Sample														01/YR - Annual	G3 - GRAB-3
					Permit Req.					>=		18.0 MN VALUE					23 - %			
					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:	2021-01-26 08:48 (Time Zone: -07:00)
<i>Report Last Signed By</i>	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2021-01-27 12:37 (Time Zone: -07:00)

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Permit

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CO0034142

Major:

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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:

024
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:

From 01/01/20 to 03/31/20

DMR Due Date:

04/28/20

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: --

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									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		99/99 - Continuous	RC - Recorder (auto)
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		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									Req Mon MX WK AV		Req Mon DAILY MX	04 - deg C		02/30 - Twice Per Month	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
00745	Sulfide, total [as S]	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG			19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge						
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01002	Arsenic, total [as As]	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG			28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge						
					Value NODI															
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.											C - No Discharge				
					Value NODI															
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01304	Silver, potentially dissolved	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01309	Arsenic, potentially dissolved	1 - Effluent Gross	0	--	Sample											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.											C - No Discharge				
					Value NODI															
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01318	Lead, potentially dissolvd	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge		C - No Discharge				
					Value NODI															

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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 01/01/20 to 03/31/20

DMR Due Date:

04/28/20

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: --

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								=	5.3	=	10.9	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						=	7.8			=	8.3	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								<	5.0	=	5.0	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								<	120.0	<	200.0	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								=	0.8			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										=	1.7	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								=	20.0	=	20.0	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								=	1.29	=	1.29	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															

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 01/01/20 to 03/31/20

DMR Due Date:

04/28/20

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:

--

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			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.026	=	0.032	03 - MGD									01/07 - Weekly	CA - CALCTD
					Permit Req.	<=	4.03 30DA AVG		Req Mon DAILY MX	03 - MGD								0	01/30 - Monthly	CA - CALCTD
					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:

2020-04-24 11:52 (Time Zone: -06:00)

Report Last Signed By

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2020-04-27 11:38 (Time Zone: -06:00)