

DMR Copy of Record

Permit

Permit #:

CO0042161

Major:

No

Permittee:

Twenty mile Coal Company

Permittee Address:

29515 CR 27
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27
OAK CREEK, CO 80467

Permitted Feature:

001
External Outfall

Discharge:

001-A
POND DISCHARGE TO FISH CREEK

Report Dates & Status

Monitoring Period:

From 04/01/22 to 06/30/22

DMR Due Date:

07/28/22

Status:

NetDMR Validated

Considerations for Form Completion

OIL & GREASE GRAB SAMPLE REQUIERD IF VISIBLE SHEEN IS OBSERVED - SEE I.C.18. SALINITY MONITORING - SEEI.B.2. QRTRLY SAMPLING INSTRUCTIONS - I.C.10. REPORT RESULTS ON MARCH, JUNE, SEPT. AND DEC DRMS. 30DAY AVG IS HIGHEST MONTHLY AVG DURING PERIOD REPORTED

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
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

Comments

Permit Modification approved to monitor flow weekly on an instantaneous basis. Outfall only discharged April 27th- June 8th. Exceedance notification sent July 27th via email

Attachments

No attachments.

Report Last Saved By

Twentymile Coal Company

User:MBLOMQUIST@PEABODYENERGY.COM

Name:Miranda Kawcak

E-Mail:mblomquist@peabodyenergy.com

Date/Time:2022-07-28 19:04 (Time Zone: -06:00)

Report Last Signed By

User:MBLOMQUIST@PEABODYENERGY.COM

Name:Miranda Kawcak

E-Mail:mblomquist@peabodyenergy.com

Date/Time:2022-07-28 19:18 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0042161

Major:

No

Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27
OAK CREEK, CO 80467

Permitted Feature:

001
External Outfall

Discharge:

001-W
ACUTE WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 04/01/22 to 06/30/22

DMR Due Date:

07/28/22

Status:

NetDMR Validated

Considerations for Form Completion

SEE PART I.A.4, PP 6-8 FOR DETAILSO F TEST PROCEDURE. REPORT LC50 -STAT. POINT ESTIMATE WHICH IS LETHAL TO 50% OF TEST ORGANISMS AND ATTACH ACUTE TOXICITY REPORT FORM TO DMR.

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

Attachments

Name	Type	Size
115May2022CDPHE_DM.pdf	pdf	87384.0

Report Last Saved By

Twentymile Coal Company

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2022-07-27 16:36 (Time Zone: -06:00)

Report Last Signed By

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2022-07-28 19:18 (Time Zone: -06:00)

COLORADO - CDPS WET TEST REPORT FORM - ACUTE

PERMITTEE: **Twentymile Coal**

CDPS NO. **CO-0027154**

OUTFALL: 2000-115

TEST TYPE: ROUTINE XX ACCELERATED _____

TEST SPECIES: **D. magna**

TEST RESULTS	LETHALITY
LC50	>100%
Pass/Fail	Pass

TEST TIME & DATE

START

5/12/2022
12:00 PM

END

5/14/2022
12:00 PM

DILUTION (% EFFLUENT)

MEASUREMENTS	CONTROL	12.50%	25.00%	50.00%	75.00%	100%
24-hour	100	100	100	100	100	100
48-hour	100	100	100	100	100	100
pH (Maximum/Minimum)	7.23	7.39	7.48	7.6	7.72	7.78

RECEIVING WATER USED FOR DILUTION? **NO**

WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? **YES**

IF NO, LIST ALL DEVIATIONS: _____

HARDNESS (MG/L) EFFLUENT: **2750**

MHW WATER: **374.15**

ALKALINITY (MG/L) EFFLUENT: **493.2**

MHW WATER: **99.22**

T. AMMONIA (MG/L) INITIAL EFFLUENT: **<1.0**

FINAL EFFLUENT: **<1.0**

T.RESIDUAL CHLORINE (MG/L) EFFLUENT: **<0.1**

LABORATORY: **ENVIRO-CHEM ANALYTICAL, INC.**

ANALYST: Liese K. Thompson

DMR Copy of Record

Permit

Permit #:

CO0042161

Major:

No

Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27
OAK CREEK, CO 80467

Permitted Feature:

002
External Outfall

Discharge:

002-A
DOMESTIC WASTE TO EMERALD SPGS

Report Dates & Status

Monitoring Period:

From 04/01/22 to 06/30/22

DMR Due Date:

07/28/22

Status:

NetDMR Validated

Considerations for Form Completion

30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING PERIOD REPORTED. OIL & GREASE GRAB SAMPLE REQUIRED IFVISIBLE SHEEN IS OBSERVED.

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			
X00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample								=	462.0			19 - mg/L	1	01/30 - Monthly	GR - GRAB
					Permit Req.								<=	250.0 30DA AVG			19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	0.046	=	0.046	26 - lb/d			=	13.0	=	14.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.	<=	3.8 30DA AVG	<=	5.6 MX 7D AV	26 - lb/d			<=	30.0 30DA AVG	<=	45.0 MX 7D AV	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.5				=	8.5	12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.					>=	6.5 MINIMUM				<=	8.5 MAXIMUM	12 - SU		01/07 - Weekly	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.							<=	75.0 30DA AVG		<=	110.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00630	Nitrite + Nitrate total [as N]	1 - Effluent Gross	0	--	Sample							=	2.62				19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.							<=	10.0 30DA AVG				19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample							=	48.9				19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.							<=	250.0 30DA AVG				19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.0028	=	0.0043	03 - MGD								0	01/01 - Daily	IN - INSTAN
					Permit Req.	<=	0.015 30DA AVG		Req Mon DAILY MX	03 - MGD									01/01 - Daily	IN - INSTAN
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							=	0.0		=	0.0	19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Permit Req.								Req Mon 30DA AVG	<=	0.5 DAILY MX		19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	4.0				13 - #/100mL	0	01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon 30DA GM				13 - #/100mL		01/30 - Monthly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	P - See Comments	0	--	Sample							=	0.33				13 - #/100mL	0	01/YR - Annual	CA - CALCTD
					Permit Req.							<=	2.2 ANNL AVG				13 - #/100mL		01/YR - Annual	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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00154	Sulfate [as S]	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

Comments

Outfall only discharged the last 2 weeks o April and first two weeks of May. Exceedance notification sent via email 7/28/2022

Attachments

No attachments.

Report Last Saved By

Twentymile Coal Company

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2022-07-28 19:13 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2022-07-28 19:18 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0042161

Major:

No

Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27
OAK CREEK, CO 80467

Permitted Feature:

300
Influent Structure

Discharge:

300-I
INFLUENT MEASUREMENTS

Report Dates & Status

Monitoring Period:

From 04/01/22 to 06/30/22

DMR Due Date:

07/28/22

Status:

NetDMR Validated

Considerations for Form Completion

INFLUENT SAMPLES MUST BE COLLECTED, ANALYZED AND REPORTED MONTHLY REGARDLESS OF WHETHER AN EFFLUENTDISCHARGE OCCURS. HYDRAULIC CAPACITY = 0.015 MGD; ORGANIC CAPACITY = 31.2 LBS BOD-5/DAY.

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			
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	11.9	=	11.9	26 - lb/d			=	171.0	=	171.0	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Permit Req.		Req Mon 30DA AVG		Req Mon MX 7D AV	26 - lb/d				Req Mon 30DA AVG		Req Mon MX 7D AV	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	0.013	=	0.014	03 - MGD								0	01/01 - Daily	CN - CONTIN
					Permit Req.		Req Mon 30DA AVG		Req Mon DAILY MX	03 - MGD									01/01 - Daily	CN - CONTIN
					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

Twentymile Coal Company

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2022-07-28 17:08 (Time Zone: -06:00)

Report Last Signed By

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2022-07-28 19:18 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0042161

Major:

No

Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27
OAK CREEK, CO 80467

Permitted Feature:

MON
External Outfall

Discharge:

MON-1
POND DISCHARGE TO FISH CREEK

Report Dates & Status

Monitoring Period:

From 04/01/22 to 06/30/22

DMR Due Date:

07/28/22

Status:

NetDMR Validated

Considerations for Form Completion

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

Outfall only discharged April 27th- June 8th.	
Attachments	
No attachments.	
Report Last Saved By	
Twentymile Coal Company	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2022-07-28 18:13 (Time Zone: -06:00)
Report Last Signed By	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2022-07-28 19:18 (Time Zone: -06:00)