

DMR Copy of Record

Permit

Permit #:

CO0036684

Major:

No

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27
Oak Creek, CO 80467

Facility:

FISH CREEK TIPPLE

Facility Location:

29515 ROUTT CR 27
OAK CREEK, CO 80467

Permitted Feature:

001
External Outfall

Discharge:

001-A
POND "E" DISCHARGE TO FISH CRK

Report Dates & Status

Monitoring Period:

From 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

Status:

NetDMR Validated

Considerations for Form Completion

TSS LIMIT WILL BE WAIVED FOR 10YR,24HR PRECIP EVENT - SEE BURDEN OF PROOF REQUIREMENTS UNDER I.A.4, PG 5.OIL & GREASE - SEE I.B.2. 30 DAY AVERAGE IS HIGHEST MONTHLY AVG. DURING PERIOD REPORTED - SEE I.C.13.

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			
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.7			=	8.0	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								=	24.3	=	37.0	19 - mg/L	0	03/30 - Three 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															
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample								<	0.1	=	0.1	25 - mL/L	0	03/30 - Three Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG	<=	0.5 DAILY MX	25 - mL/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
X 00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	1081.0			28 - ug/L	2	03/30 - Three Per Month	GR - GRAB
					Permit Req.								<=	1000.0 30DA AVG			28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
03582	Oil and grease	1 - Effluent Gross	0	--	Sample														77/77 - Contingent	GR - GRAB
					Permit Req.										<=	10.0 INST MAX	19 - mg/L			
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.01	=	0.028	03 - MGD								0	01/07 - Weekly	IN - INSTAN
					Permit Req.	<=	0.46 30DA AVG		Req Mon DAILY MX	03 - MGD									01/07 - Weekly	IN - INSTAN
					Value NODI															
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample								=	3743.0	=	4110.0	19 - mg/L	0	01/07 - Weekly	CA - CALCTD
					Permit Req.									Req Mon QTR AVG		Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	CA - CALCTD
					Value NODI															
84066	Oil and grease visual	1 - Effluent Gross	0	--	Sample			=	0.0	9P - N=0;Y=1									01/07 - Weekly	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

Parameter

Code	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
Comments						
Total recoverable iron monthly average limit was exceeded during July and August but was back in compliance during September. Notification sent to State 10/27/2022.						
Attachments						
No attachments.						
Report Last Saved By						
Twentymile Coal LLC						
User:		MBLOMQUIST@PEABODYENERGY.COM				
Name:		Miranda Kawcak				
E-Mail:		mblomquist@peabodyenergy.com				
Date/Time:		2022-10-27 17:49 (Time Zone: -06:00)				
Report Last Signed By						
User:		MBLOMQUIST@PEABODYENERGY.COM				
Name:		Miranda Kawcak				
E-Mail:		mblomquist@peabodyenergy.com				
Date/Time:		2022-10-27 17:49 (Time Zone: -06:00)				

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Facility:

FISH CREEK TIPPLE

Facility Location:

29515 ROUTT CR 27
OAK CREEK, CO 80467

Permitted Feature:

001
External Outfall

Discharge:

001-X
CHRONIC WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

Status:

NetDMR Validated

Considerations for Form Completion

SEE PART I.A.4 OF PERMIT FOR DETAILS OF TEST PROCEDURE. RPT LOWEST %AT WHICH STATISTICALLY SIGNIF DIFFBTWN TEST & CONT USING TEST CODE "S". RPT IC25 USING TEST CODE "P".ATTACH CHRONIC TOX TEST RPT 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
62_2022CDPHE_CD_September.pdf	pdf	112317.0
62September2022CDPHE_FH.pdf	pdf	108843.0

Report Last Saved By

Twentymile Coal LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2022-10-27 16:41 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2022-10-27 17:49 (Time Zone: -06:00)

COLORADO - CDPS WET TEST REPORT FORM - CHRONIC

PERMITTEE: **Twentymile Coal**CDPS NO. **CO-0036684**

OUTFALL: 2000-62

TEST TYPE: ROUTINE XX ACCELERATED _____TEST SPECIES: **C. dubia**

TEST RESULTS	LETHALITY	GROWTH	STATISTICAL METHOD
Concentration w/ Statistical Difference	>100%	93.57%	Fisher's/Dunnett's
Pass/Fail	Pass	N/A	
IC ₂₅	>100%	89.74%	Bootstrap
Pass/Fail	Pass	N/A	

TEST TIME & DATESTART9/17/2022
2:20 PMEND9/24/2022
2:30 PM

DILUTION (% EFFLUENT)

MEASUREMENTS	CONTROL	6.50%	13.00%	25.00%	50.00%	100%
Day 1 % Survival	100	100	100	100	100	100
Day 2	100	100	100	100	100	100
Day 3	100	100	100	100	100	100
Day 4	100	100	100	100	100	100
Day 5	100	100	100	100	100	100
Day 6	100	100	100	100	100	100
Day 7	100	100	100	100	100	100
Mean 3 Brood Total	33.2	39.7	34.1	33.6	35.2	37.1
pH (Maximum/Minimum)	7.03-7.15	7.06-7.22..	7.15-7.38	7.21-7.44	7.28-7.56	7.35-7.69

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: **2240-2280**MHW WATER: **80.3**ALKALINITY (MG/L): EFFLUENT: **422-435**MHW WATER: **80.5**T. AMMONIA (MG/L): INITIAL EFFLUENT: **<1.0**T.RESIDUAL CHLORINE (MG/L): EFFLUENT: **<0.1**LABORATORY: **ENVIRO-CHEM ANALYTICAL, INC.**ANALYST: Liese K. Thompson

COLORADO - CDPS WET TEST REPORT FORM - CHRONIC

PERMITTEE: Twentymile CoalCDPS NO. **CO-0036684**

OUTFALL: 2000-62

TEST TYPE: ROUTINE XX ACCELERATED ____TEST SPECIES: *P. promelas*

TEST RESULTS	LETHALITY	GROWTH	STATISTICAL METHOD
Concentration w/ Statistical Difference	>100%	>100%	Fisher's Exact/Dunnett's
Pass/Fail	Pass	N/A	
IC ₂₅	>100%	>100%	Bootstrap
Pass/Fail	Pass	N/A	

TEST TIME & DATESTART17-Sep-2022
2:20 PMEND24-Sep-2022
2:30 PM

DILUTION (% EFFLUENT)

MEASUREMENTS	CONTROL	6.50%	13.00%	25.00%	50.00%	100%
Day 1 % Survival	100	100	100	100	100	100
Day 2	100	100	100	100	100	100
Day 3	100	100	100	100	100	100
Day 4	100	100	100	100	100	100
Day 5	100	100	100	100	100	100
Day 6	100	100	100	100	100	100
Day 7	100	100	100	100	100	100
7 Day Mean Dry Weight	0.326	0.305	0.361	0.321	0.333	0.342
pH (Maximum/Minimum)	7.03-7.15	7.06-7.22..	7.15-7.38	7.21-7.44	7.28-7.56	7.35-7.69

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: **2240-2280**MHW WATER: **80.3**ALKALINITY (MG/L) EFFLUENT: **422-435**MHW WATER: **80.5**T. AMMONIA (MG/L) INITIAL EFFLUENT: **<1.0**T.RESIDUAL CHLORINE (MG/L) EFFLUENT: **<0.1**LABORATORY: **ENVIRO-CHEM ANALYTICAL, INC.**ANALYST: **Liese K. Thompson**

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Oak Creek, CO 80467

Facility:

FISH CREEK TIPPLE

Facility Location:

29515 ROUTT CR 27
OAK CREEK, CO 80467

Permitted Feature:

01Y
External Outfall

Discharge:

01Y-X
CHRONIC WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

Status:

NetDMR Validated

Considerations for Form Completion

SEE I.A.4 FOR DETAILS OF TEST PROCEDURE. IF THERE IS A STAT DIFF RPTRESULTS ON THIS OUTFALL. IF NOT,RPT "NO DISCHARGE" & COMPLETE OUTFALL 001X. RPT LOWEST % AT WHICH STATISTICALLY SIGNIF DIFF BETWEEN TEST& CONT USING TEST CODE "S". RPT IC25 USING TEST CODE "P". ATTACH CHRON TOX TEST RPT TO DMR.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

Code	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
	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					=	89.74					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.						Req Mon MO AV MN					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
61426	Toxicity [chronic], Ceriodaphnia dubia	S - See Comments	0	--	Sample					=	93.57					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.						Req Mon MN VALUE					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	P - See Comments	0	--	Sample					>	100.0					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.						Req Mon MO AV MN					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	S - See Comments	0	--	Sample					>	100.0					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.						Req Mon MN VALUE					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample					>	100.0					23 - %	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.						Req Mon MO AV MN					23 - %		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample					>	100.0					23 - %	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.					>=	100.0 MO AV MN					23 - %		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
TCP6C	%Effect Statre 7Day Chronic Pimephales	P - See Comments	0	--	Sample					>	100.0					23 - %	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.						Req Mon MO AV MN					23 - %		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														
TCP6C	%Effect Statre 7Day Chronic Pimephales	S - See Comments	0	--	Sample					>	100.0					23 - %	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.					>=	100.0 MN VALUE					23 - %		01/90 - Quarterly	G3 - GRAB-3
					Value NODI														

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
62_2022CDPHE_CD_September.pdf	pdf	112317.0
62September2022CDPHE_FH.pdf	pdf	108843.0

Report Last Saved By

Twentymile Coal LLC

User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2022-10-27 16:43 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2022-10-27 17:49 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0036684

Major:

No

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27
Oak Creek, CO 80467

Facility:

FISH CREEK TIPPLE

Facility Location:

29515 ROUTT CR 27
OAK CREEK, CO 80467

Permitted Feature:

MON
External Outfall

Discharge:

MON-1
POND "E" DISCHARGE TO FISH CRK

Report Dates & Status

Monitoring Period:

From 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

Status:

NetDMR Validated

Considerations for Form Completion

AFTER 12 MONTHLY SAMPLES HAVE BEEN TAKEN, PERMITTEE MAY REQUEST THAT A REASONABLE POTENTIAL ANALYSIS BE CONDUCTED.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

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Edit Check Errors

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Comments

Attachments

No attachments.

Report Last Saved By

Twentymile Coal LLC

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2022-10-27 17:48 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2022-10-27 17:49 (Time Zone: -06:00)