

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 04/01/23 to 06/30/23

DMR Due Date:

07/28/23

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: --

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 LLC

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2023-07-28 10:05 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2023-07-28 21:36 (Time Zone: -06:00)

COLORADO - CDPS WET TEST REPORT FORM - CHRONIC

PERMITTEE: Twentymile CoalCDPS 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%	93.07%	Fisher's/Dunnett's
Pass/Fail	Pass	N/A	
IC ₂₅	>100%	88.65%	Bootstrap
Pass/Fail	Pass	N/A	

TEST TIME & DATESTART5/9/2023
11:00 AMEND5/16/2023
11:00 AM

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	40.8	44.5	41.7	46.9	42.2	43.5
pH (Maximum/Minimum)	7.06-7.18	7.11-7.28	7.18-7.33	7.25-7.41	7.31-7.49	7.35-7.55

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: **2440-2470**MHW WATER: **80.7**ALKALINITY (MG/L) EFFLUENT: **461-474**MHW WATER: **80.9**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 Coal**

CDPS 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 & DATE

START

9-May-2023
11:00 AM

END

16-May-2023
11:00 AM

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	0.338	0.329	0.364	0.371	0.339	0.365
pH (Maximum/Minimum)	7.06-7.22	7.11-7.31	7.18-7.39	7.25-7.48	7.31-7.55	7.35--7.68

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: **2440-2470**

MHW WATER: **80.7**

ALKALINITY (MG/L) EFFLUENT: **461-474**

MHW WATER: **80.9**

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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Major:

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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-X
CHRONIC WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 04/01/23 to 06/30/23

DMR Due Date:

07/28/23

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_2023CDPHE_CD_May.pdf	pdf	113102.0
62May2023CDPHE_FH.pdf	pdf	109576.0

Report Last Saved By

Twentymile Coal LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2023-07-28 10:21 (Time Zone: -06:00)
<i>Report Last Signed By</i>	
User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2023-07-28 21:36 (Time Zone: -06:00)

COLORADO - CDPS WET TEST REPORT FORM - CHRONIC

PERMITTEE: Twentymile CoalCDPS 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%	93.07%	Fisher's/Dunnett's
Pass/Fail	Pass	N/A	
IC ₂₅	>100%	88.65%	Bootstrap
Pass/Fail	Pass	N/A	

TEST TIME & DATESTART5/9/2023
11:00 AMEND5/16/2023
11:00 AM

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	40.8	44.5	41.7	46.9	42.2	43.5
pH (Maximum/Minimum)	7.06-7.18	7.11-7.28	7.18-7.33	7.25-7.41	7.31-7.49	7.35-7.55

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: **2440-2470**MHW WATER: **80.7**ALKALINITY (MG/L) EFFLUENT: **461-474**MHW WATER: **80.9**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 Coal**

CDPS 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 & DATE

START

9-May-2023
11:00 AM

END

16-May-2023
11:00 AM

DILUTION (% EFFLUENT)

MEASUREMENTS	CONTROL	6.50%	13.00%	25.00%	50.00%	100%
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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	0.338	0.329	0.364	0.371	0.339	0.365
pH (Maximum/Minimum)	7.06-7.22	7.11-7.31	7.18-7.39	7.25-7.48	7.31-7.55	7.35--7.68

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: **2440-2470**

MHW WATER: **80.7**

ALKALINITY (MG/L) EFFLUENT: **461-474**

MHW WATER: **80.9**

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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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:

01Y
External Outfall

Discharge:

01Y-X
CHRONIC WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 04/01/23 to 06/30/23

DMR Due Date:

07/28/23

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: --

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					=	88.65					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					=	97.03					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 Static Renewal 7Day Chronic Pimephales promelas	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 Static Renewal 7Day Chronic Pimephales promelas	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

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
62May2023CDPHE_FH.pdf	pdf	109576.0
62_2023CDPHE_CD_May.pdf	pdf	113102.0

Report Last Saved By

Twentymile Coal LLC

User:	MBLOMQUIST@PEABODYENERGY.COM
Name:	Miranda Kawcak
E-Mail:	mblomquist@peabodyenergy.com
Date/Time:	2023-07-28 10:23 (Time Zone: -06:00)
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Name:	Miranda Kawcak
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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 04/01/23 to 06/30/23

DMR Due Date:

07/28/23

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: --

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 LLC

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2023-07-28 10:43 (Time Zone: -06:00)

Report Last Signed By

User: MBLOMQUIST@PEABODYENERGY.COM
Name: Miranda Kawcak
E-Mail: mblomquist@peabodyenergy.com
Date/Time: 2023-07-28 21:36 (Time Zone: -06:00)