



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

April 30, 2020

VIA Electronic Mail: Zach.Trujillo@state.co.us

Mr. Zach Trujillo
Environmental Protection Specialist
Division of Reclamation, Mining, & Safety
Coal Program Support Staff
1313 Sherman Street, RM 215
Denver, Colorado 80203

RE: March 2020 Discharge Monitoring Report Submittal
CDPS Permit #CO-0045161
Colowyo Coal Company, LP – Colowyo Mine
DRMS Mine Permit #C-1981-019

Dear Mr. Trujillo:

Enclosed is the Discharge Monitoring Report (DMR) for the Colowyo Coal Company, LP. (Colowyo) – Colowyo Mine CDPS Permit No. CO-0045161 for March of 2020. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent of Axial Basin Coal Company, which is the general partner of Colowyo Coal Company, L.P. The enclosed March DMRs were submitted electronically through the EPA's NetDMR program.

If you have any questions about the enclosed reports, please contact Darlene Crosby at 303-254-3185.

Sincerely,

DocuSigned by:

Daniel Casiraro

B70D69F114324DE...

Daniel J. Casiraro
Senior Manager
Environmental Services

DJC:DC:

Enclosure

cc: DRMS Representative, Denver, CO
Darlene Crosby (via email)
Chantell Johnson (via email)
Tony Tennyson (via email)
File: G471 – 11.3(10)a-9a
Colowyo CF 21.1.2.2013

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

A Touchstone Energy® Cooperative The logo for Touchstone Energy features a stylized figure with arms raised, composed of three overlapping shapes in red, blue, and green.

CRAIG STATION
P.O. BOX 1307
CRAIG, CO 81626-1307
970-824-4411

ESCALANTE STATION
P.O. BOX 577
PREWITT, NM 87045
505-972-5200

NUCLA STATION
P.O. BOX 698
NUCLA, CO 81424-0698
970-864-7316

From: netdmr-notification@epa.gov
To: [Crosby, Darlene](#); [Johnson, Chantell](#); [Walz, Barbara](#)
Subject: [EXTERNAL] NetDMR DMR(s) Submittal Passed for: CO0045161
Date: Monday, April 27, 2020 10:32:00 AM

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

The following signed 23 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _7eb227ca-90ac-4156-8127-a4aca9d74d5b
User ID: BARBARAWALZ1
Timestamp: 04/27/2020 11:29:21

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 003
Discharge: A - Gossard Pond to Wilson Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 003
Discharge: Q - Quarterly Monitoring for 003A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 003
Discharge: W - Acute WET Testing for 003A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 006
Discharge: A - Rail Loop/Wilson Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 006
Discharge: Q - Quarterly Monitoring for 006A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 006
Discharge: W - Acute WET Testing for 006A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161

Permitted Feature: 010
Discharge: A - East Taylor Pond to Taylor Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 010
Discharge: Q - Quarterly Monitoring for 010A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 010
Discharge: X - Chronic WET Testing at 010A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 013
Discharge: A - Section 25 Pond to Little Collom Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 013
Discharge: Q - Quarterly Monitoring for 013A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 014
Discharge: A - Section 26 Pond to Collom Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 014
Discharge: Q - Quarterly Monitoring for 014A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 021
Discharge: A - Sump 1 to Taylor Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 021
Discharge: Q - Quarterly Monitoring for 021A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 022
Discharge: A - Sump 2 to Taylor Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 022
Discharge: Q - Quarterly Monitoring for 022A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 023
Discharge: A - Sump 3 to Taylor Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 023
Discharge: Q - Quarterly Monitoring for 023A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 024
Discharge: A - Sump 4 to Taylor Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 024
Discharge: Q - Quarterly Monitoring for 024A
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 025
Discharge: A - Sump 5 to Taylor Creek
Monitoring Period End Date: 03/31/20

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 025
Discharge: Q - Quarterly Monitoring for 025A
Monitoring Period End Date: 03/31/20

Thank you.

OFFICIAL NOTIFICATION -- message sent AUTOMATICALLY by Production-NetDMR the official discharge monitoring report (DMR) data reporting environment used for compliance with both the Federal Clean Water Act and the Colorado Pollutant Discharge Elimination permit requirements to submit discharge data electronically

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

003
External Outfall

Discharge:

003-A
Gossard Pond to Wilson Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pg 6 and 8. Oil and grease - see I.C.1.b, pp 5-6. Report SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
00094	Conductivity	1 - Effluent Gross	0	--	Sample								=	1.787			7B - dS/m	0	01/30 - Monthly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			7B - dS/m		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.2			=	8.2	12 - SU	0	01/30 - Monthly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/30 - Monthly	GR - GRAB
					Value NODI															
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	--	Sample								=	124.0	=	166.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	35.0	=	54.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample								=	53.0	=	73.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample								=	52.0	=	79.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample								=	118.0	=	160.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample								=	2.7	=	3.08	1U - Ratio	0	02/30 - Twice Per Month	CA - CALCTD
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio		02/30 - Twice Per Month	CA - CALCTD
					Value NODI															
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample								=	2.8	=	3.3	1U - Ratio	0	02/30 - Twice Per Month	CA - CALCTD
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio		02/30 - Twice Per Month	CA - CALCTD
					Value NODI															

00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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84165	Discharge event observation [Visual Monitoring]	1 - Effluent Gross	0	--	Sample	=	1.0			FP - fail=0;pass=1	=	1.0					4K - #/mo	02/30 - Twice Per Month	CA - CALCTD
					Permit Req.		Req Mon 30DA AVG			FP - fail=0;pass=1		Req Mon 30DA ARI					4K - #/mo	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

Name	Type	Size
200424_Colowyo_March_DMR_Comment_Outfal_003A_Walz_to_CDPHE.pdf	pdf	209527.0

Report Last Saved By

Colowyo Coal Co LP

User: dcrosby@tristategt.org

Name: Darlene Crosby

E-Mail: dcrosby@tristategt.org

Date/Time: 2020-04-24 09:36 (Time Zone: -06:00)

Report Last Signed By

User: BARBARAWALZ1

Name: Barbara Walz

E-Mail: bwalz@tristategt.org

Date/Time: 2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

003
External Outfall

Discharge:

003-Q
Quarterly Monitoring for 003A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-24 13:28 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

003
External Outfall

Discharge:

003-W
Acute WET Testing for 003A

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

See I.D.1 details of test procedure. Report LC50 - Statistical point estimate which is lethal to 50% of test organisms (LC50) and attach acute toxicity test report form to DMR.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
TAM3B	LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia	1 - Effluent Gross	0	--	Sample						>	100.0					23 - %	0	01/90 - Quarterly	GR - GRAB
					Permit Req.							Req Mon MN VALUE					23 - %		01/90 - Quarterly	GR - GRAB
					Value NODI															
TAN6C	LC50 Statre 96Hr Acute Pimephales	1 - Effluent Gross	0	--	Sample						>	100.0					23 - %	0	01/90 - Quarterly	GR - GRAB
					Permit Req.							Req Mon MN VALUE					23 - %		01/90 - Quarterly	GR - GRAB
					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
Colowyo_CDPS_CO0045161_Outfall003_Acute_WETresults_March_2020_COC.pdf	pdf	952692.0

Report Last Saved By

Colowyo Coal Co LP

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2020-04-16 13:17 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

006
External Outfall

Discharge:

006-A
Rail Loop/Wilson Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pg 10. Oil and grease - see I.C.1.b, pp 5-6. Report SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
00094	Conductivity	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge			7B - dS/m			
00400	pH	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req. Value NODI						>=	6.5 MINIMUM C - No Discharge			<=	9.0 MAXIMUM C - No Discharge	12 - SU			
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	19 - mg/L			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req. Value NODI								<=	35.0 30DA AVG C - No Discharge	<=	70.0 DAILY MX C - No Discharge	19 - mg/L			
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	19 - mg/L			
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	28 - ug/L			
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	19 - mg/L			
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	CA - CALCTD
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	1U - Ratio			
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample														02/30 - Twice Per Month	CA - CALCTD
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	1U - Ratio			
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge			28 - ug/L			
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI								<=	1000.0 30DA AVG C - No Discharge	<=	6000.0 DAILY MX C - No Discharge	19 - mg/L			
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	28 - ug/L			
01304	Silver, potentially dissolved	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	28 - ug/L			
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	28 - ug/L			
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	28 - ug/L			
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI									Req Mon 30DA AVG C - No Discharge			28 - ug/L			

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

006
External Outfall

Discharge:

006-Q
Quarterly Monitoring for 006A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:14 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

006
External Outfall

Discharge:

006-W
Acute WET Testing for 006A

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

See I.D.1 for details of test procedure. Report LC50 - Statistical point estimate which is lethal to 50% of test organisms (LC50) and attach acute toxicity test report form to DMR.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
TAM3B	LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia	1 - Effluent Gross	0	--	Sample														01/90 - Quarterly	GR - GRAB
					Permit Req.							Req Mon MN VALUE					23 - %			
					Value NODI							C - No Discharge								
TAN6C	LC50 Statre 96Hr Acute Pimephales	1 - Effluent Gross	0	--	Sample														01/90 - Quarterly	GR - GRAB
					Permit Req.							Req Mon 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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:15 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

010
External Outfall

Discharge:

010-A
East Taylor Pond to Taylor Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pg 12. Oil and grease - see I.C.1.b, pp 5-6. Report SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
00094	Conductivity	1 - Effluent Gross	0	--	Sample								=	3.523			7B - dS/m	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			7B - dS/m			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.19			=	8.24	12 - SU	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI															
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	--	Sample								=	812.0	=	1190.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								<	5.0	<	5.0	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L			
					Value NODI															
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample								=	135.0	=	183.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample								=	105.0	=	153.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI															
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample								=	680.0	=	1100.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI															
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample								=	10.0	=	14.6	1U - Ratio	0	02/30 - Twice Per Month	CA - CALCTD
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio			
					Value NODI															
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample								=	12.3	=	18.1	1U - Ratio	0	02/30 - Twice Per Month	CA - CALCTD
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	1U - Ratio			
					Value NODI															
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								=	2.0			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L			
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	440.0	=	830.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L			
					Value NODI															
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI															
01304	Silver, potentially dissolved	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI															
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample								=	4.0	=	33.0	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI															
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L			
					Value NODI															
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	20.0			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L			
					Value NODI															

01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample									=	218.0	=	282.0	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI																
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample									=	3.5	=	4.0	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI																
					Sample																
03582	Oil and grease	1 - Effluent Gross	0	--	Permit Req.											<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - GRAB
					Value NODI												9 - Conditional Monitoring - Not Required This Period				
					Sample									<	20.0	<	20.0	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI																
					Sample	=	0.129	=	0.155	03 - MGD										02/30 - Twice Per Month	IN - INSTAN
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.	<=	1.5 30DA AVG		Req Mon DAILY MX	03 - MGD									0	01/30 - Monthly	IN - INSTAN
					Value NODI																
					Sample									=	0.0037			28 - ug/L		02/30 - Twice Per Month	GR - GRAB
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Permit Req.										Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Value NODI																
					Sample			=	0.0	AB - abst=0;prst=1										02/30 - Twice Per Month	VI - VISUAL
84066	Oil and grease visual	1 - Effluent Gross	0	--	Permit Req.				Req Mon INST MAX	AB - abst=0;prst=1									0	01/30 - Monthly	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

Colowyo Coal Co LP

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2020-04-23 16:06 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

010
External Outfall

Discharge:

010-Q
Quarterly Monitoring for 010A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample							=	3400.0			19 - mg/L		02/90 - Twice Every Quarter	GR - GRAB
					Permit Req.								Req Mon 30DA GM			19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-04-23 15:42 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

010
External Outfall

Discharge:

010-X
Chronic WET Testing at 010A

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

See I.D.1 for details of test procedure. Report NOEC using test code "S". Report IC25 using test code "P". Beginning 7-1-20, report highest number between "P" and "S" at "T" for each parameter. IWC=100%.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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		
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample						=	59.5					2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic	0	G3 - GRAB-3
					Value NODI														
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample						=	60.0					2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	0	G3 - GRAB-3
					Value NODI														
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	--	Sample						>	100.0					2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic	0	G3 - GRAB-3
					Value NODI														
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	--	Sample						=	100.0					2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic	0	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
Colowyo_CDPS_CO0045161_Outfall010_WETresults_March_2020_COC.pdf	pdf	1926648.0
Re_UPDATE_Colowyo_Notification_of_Chronic_WET_Results-3Q19_&_Waiver_Request_for_TIE.pdf	pdf	75473.0
200424_Colowyo_March_DMR_Comment_Outfall_010X_Walz_to_CDPHE.pdf	pdf	209133.0

Report Last Saved By

Colowyo Coal Co LP

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2020-04-24 09:37 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

013
External Outfall

Discharge:

013-A
Section 25 Pond to Little Collom Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 13-14. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.17			=	8.17	12 - SU	0	DL/DS - Daily When Discharging	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								=	12.0	=	12.0	19 - mg/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	230.0	=	230.0	28 - ug/L	0	DL/DS - Daily When Discharging	GR - GRAB
					Permit Req.								<=	1000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.006	=	0.006	03 - MGD								0	DL/DS - Daily When Discharging	IN - INSTAN
					Permit Req.	<=	0.61 30DA AVG			Req Mon DAILY MX 03 - MGD									01/30 - Monthly	IN - INSTAN
					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

Outfall 013 only discharged once during March 2020.

Attachments

No attachments.

Report Last Saved By

Colowyo Coal Co LP

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2020-04-16 13:20 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit																					
Permit #:		CO0045161				Permittee:		Colowyo Coal Co LP						Facility:		COLOWYO MINE					
Major:		No				Permittee Address:		PO Box 33695 Denver, CO 80233-0695						Facility Location:		5731 SOUTH HIGHWAY 13 MOFFAT COUNTY, CO 81641					
Permitted Feature:		013 External Outfall				Discharge:		013-Q Quarterly Monitoring for 013A													
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																					
Quarterly monitoring - see Appendix B, 21, pg 53.																					
Principal Executive Officer																					
First Name:		Barbara				Title:		SVP, Policy and Compliance, CCO						Telephone:		303-452-6111					
Last Name:		Walz																			
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				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								<	1.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample								=	5.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample								<	10.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	90.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	2.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample								<	20.0	<	20.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								<	10.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample								=	80.0	=	80.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample								<	2.0	<	2.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	20.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	13.0	=	13.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	5.0	=	5.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample								<	20.0	<	20.0	28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																
11123	Manganese, total recoverable	1 - Effluent Gross	0	--	Sample								<	20.0			28 - ug/L	0	01/90 - Quarterly	GR - GRAB	
					Permit Req.												28 - ug/L		01/90 - Quarterly	GR - GRAB	
					Value NODI																

	50286 Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req.						=	0.0034			28 - ug/L	01/90 - Quarterly	GR - GRAB
					Value NODI							Req Mon 30DA AVG			28 - ug/L 0	01/90 - Quarterly	GR - GRAB
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																	
Colowyo Coal Co LP																	
User:	AAALBERS@TRISTATEGT.ORG																
Name:	Angela Aalbers																
E-Mail:	aaalbers@tristategt.org																
Date/Time:	2020-03-24 13:36 (Time Zone: -06:00)																
Report Last Signed By																	
User:	BARBARAWALZ1																
Name:	Barbara Walz																
E-Mail:	bwalz@tristategt.org																
Date/Time:	2020-04-27 09:29 (Time Zone: -06:00)																

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

014
External Outfall

Discharge:

014-A
Section 26 Pond to Collom Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 15. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.01			=	8.01	12 - SU	0	01/30 - Monthly	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														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L			
					Value NODI									A - General Permit Exemption		A - General Permit Exemption				
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	975.0	=	1840.0	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															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.003	=	0.003	03 - MGD								0	02/30 - Twice Per Month	IN - INSTAN
					Permit Req.	<=	0.43 30DA AVG			Req Mon DAILY MX 03 - MGD									01/30 - Monthly	IN - INSTAN
					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
200424_Colowyo_DMR_Comment_March_Outfall_014A_Walz_to_CDPHE.pdf	pdf	212202.0
Collom_March_2020_Temp_Precip_Data.xls	xls	141312.0

Report Last Saved By

Colowyo Coal Co LP

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2020-04-24 09:39 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

014
External Outfall

Discharge:

014-Q
Quarterly Monitoring for 014A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample								<	1.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample								=	4.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	430.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	2.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample								<	20.0	<	20.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								<	10.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample								=	110.0	=	110.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample								<	2.0	<	2.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample								<	20.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	15.0	=	15.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample								=	4.0	=	4.0	28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample								<	20.0	<	20.0	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
11123	Manganese, total recoverable	1 - Effluent Gross	0	--	Sample								=	15.0			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample								=	0.0042			28 - ug/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	01/90 - Quarterly	GR - GRAB
					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

Colowyo Coal Co LP

User: AAALBERS@TRISTATEGT.ORG
Name: Angela Aalbers
E-Mail: aaalbers@tristategt.org
Date/Time: 2020-03-31 12:50 (Time Zone: -06:00)

Report Last Signed By

User: BARBARAWALZ1
Name: Barbara Walz
E-Mail: bwalz@tristategt.org
Date/Time: 2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

021
External Outfall

Discharge:

021-A
Sump 1 to Taylor Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 15. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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			
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				
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	3000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L			
					Value NODI									C - No Discharge		C - No Discharge				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	IN - INSTAN
					Permit Req.	<=	1.3 30DA AVG		Req Mon DAILY MX	03 - MGD										
					Value NODI		C - No Discharge		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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:18 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

021
External Outfall

Discharge:

021-Q
Quarterly Monitoring for 021A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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	
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge				GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge		C - No Discharge		GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge		C - No Discharge		GR - GRAB
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge		C - No Discharge		GR - GRAB
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge				GR - GRAB
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge		C - No Discharge		GR - GRAB
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge		C - No Discharge		GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge		C - No Discharge		GR - GRAB
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample													
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	01/90 - Quarterly
					Value NODI									C - No Discharge				GR - GRAB

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:18 (Time Zone: -06:00)

Report Last Signed By

User: BARBARAWALZ1
Name: Barbara Walz
E-Mail: bwalz@tristategt.org
Date/Time: 2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

022
External Outfall

Discharge:

022-A
Sump 2 to Taylor Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 17-18. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:19 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

022
External Outfall

Discharge:

022-Q
Quarterly Monitoring for 022A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:19 (Time Zone: -06:00)

Report Last Signed By

User:BARBARAWALZ1

Name:Barbara Walz

E-Mail:bwalz@tristategt.org

Date/Time:2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

023
External Outfall

Discharge:

023-A
Sump 3 to Taylor Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 19-20. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:19 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

023
External Outfall

Discharge:

023-Q
Quarterly Monitoring for 023A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:20 (Time Zone: -06:00)

Report Last Signed By

User:BARBARAWALZ1

Name:Barbara Walz

E-Mail:bwalz@tristategt.org

Date/Time:2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

024
External Outfall

Discharge:

024-A
Sump 4 to Taylor Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 20-21. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:21 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

024
External Outfall

Discharge:

024-Q
Quarterly Monitoring for 024A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:21 (Time Zone: -06:00)

Report Last Signed By

User:BARBARAWALZ1

Name:Barbara Walz

E-Mail:bwalz@tristategt.org

Date/Time:2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

025
External Outfall

Discharge:

025-A
Sump 5 to Taylor Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

04/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Alternate limitations for TR iron and settleable solids - see pp 21-22. Oil and grease - see I.C.1.b, pp 5-6. Reports SAR calculated limit at MLOC=EG; adjusted SAR effluent at MLOC=P.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:22 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-04-27 09:29 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0045161

Major:

No

Permittee:

Colowyo Coal Co LP

Permittee Address:

PO Box 33695
Denver, CO 80233-0695

Facility:

COLOWYO MINE

Facility Location:

5731 SOUTH HIGHWAY 13
MOFFAT COUNTY, CO 81641

Permitted Feature:

025
External Outfall

Discharge:

025-Q
Quarterly Monitoring for 025A

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

Quarterly monitoring - see Appendix B, 21, pg 53.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

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		
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		
					Value NODI									C - No Discharge					
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	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													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
01314	Chromium, trivalent, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		
					Value NODI									C - No Discharge					
01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					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													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		
					Value NODI									C - No Discharge		C - No Discharge			
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample													01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		
					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

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2020-03-18 15:23 (Time Zone: -06:00)

Report Last Signed By

User: BARBARAWALZ1
Name: Barbara Walz
E-Mail: bwalz@tristategt.org
Date/Time: 2020-04-27 09:29 (Time Zone: -06:00)



April 23, 2020

Water Quality Control Division
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

RE: Colowyo Mine CDPS Permit #CO-0045161
March 2020 DMR Submittal Comments Outfall 014A

Dear CDPHE Representative:

The frequency of analysis for pH for March was 1/30 rather than 2/30 (as required) due to sampling equipment failure during the second discharge sample event in March. New field pH/conductivity meters were purchased earlier in the month to replace an existing field meter. The new meter was successfully calibrated prior to going into the field and readings were taken for pH. However, after returning to the facility lab, the meter failed post-calibration and the field readings became invalid. It was determined that the new meter was defective, and the meter has since been replaced. Lab pH was 8.8 for this sample.

The discharge samples that were collected on 3/17/20 and 3/30/20 contained 102mg/L and 142mg/L of Total Suspended Solids respectively (monthly average limit is 35mg/L and daily max limit is 70mg/L). Based on the enclosed information on precipitation/snowmelt events preceding the discharges in March, Tri-State requests determination that the alternate limitations for "precipitation less than or equal to the 10yr, 24hr storm event (or snowmelt of equivalent volume)" apply to the discharges at this location, per Part I.1.C.1.b and page 15 of the permit. Snow accumulation for the area has been high; the warm weather triggered sustained flows into the pond due to snow melt (less than or equal to the 10-year/24-hour event). Based on visual observation and on sustained warmer air temperatures during and immediately preceding both sample events, Flows into the pond were still occurring during pond inflow from the snow melt events, or within 48 hours after pond inflow had stopped for both events (see attached weather documentation). The pond was properly operated and maintained prior to and during the storm event and subsequent snowmelt (based on routine pond inspections, as required by Part I.B.1 (Facilities Operation and Maintenance)). Therefore, the ELG-based TSS limits do not apply to the discharges on 3/17/2020 and 3/30/2020 but rather compliance is based on alternate limits of Settleable Solids (per Alt Limits table on page 15 of the permit). Both samples contained <0.5ml/L/Hr (ND) of Settleable Solids.



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

WQCD
Colowyo Outfall 014A DMR Comment
Page 2

If you have any questions about these comments, please contact Chantell Johnson at 303-254-3185 or Darlene Crosby at 303-254-3055.

Sincerely,

Barbara A. Walz
Senior Vice President
Policy and Compliance
Chief Compliance Officer

BAW:DC:

Enclosures

cc: Chantell Johnson, via email
Darlene Crosby, via email
File: G471-11.3(10)a-9a



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

April 23, 2020

Water Quality Control Division
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

RE: Colowyo Mine CDPS Permit #CO-0045161
March 2020 DMR Submittal Comments Outfall 003A

Dear CDPHE Representative:

The frequency of analysis for field conductivity (ICIS code 00094) in March at Outfall 003 was 1/30 rather than 2/30 (as required) due to sampling equipment failure. At the time of the first discharge event of the month, the sampling team calibrated the field meter for conductivity and pH prior to going out in the field. During the sampling event, the field meter was no longer functioning and they were unable to obtain field readings for conductivity and pH. Lab conductivity for the sample was measured as 0.757 dS/M.

Following this event, new field pH/conductivity meters were purchased so that this issue will not recur. Both pH and conductivity were collected at this Outfall during the second discharge event in March.

If you have any questions about these comments, please contact Chantell Johnson at 303-254-3185 or Darlene Crosby at 303-254-3055.

Sincerely,

Barbara A. Walz
Senior Vice President
Policy and Compliance
Chief Compliance Officer

BAW:DC:

Enclosures

cc: Chantell Johnson, via email
Darlene Crosby, via email
File: G471-11.3(10)a-9a



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

April 23, 2020

Water Quality Control Division
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

RE: Colowyo Mine CDPS Permit #CO-0045161
March 2020 DMR Submittal Comments Outfall 010X

Dear CDPHE Representative:

Based on ongoing TIE/TRE assessments for Outfall 010 and demonstration that the water quality has been consistent, Tri-State received written confirmation (via email from Eric Mink--attached) indicating that the current ongoing TIE/TRE work will suffice as the automatic compliance response, and no further action is needed from Tri-State.

If you have any questions about these comments, please contact Chantell Johnson at 303-254-3185 or Darlene Crosby at 303-254-3055.

Sincerely,

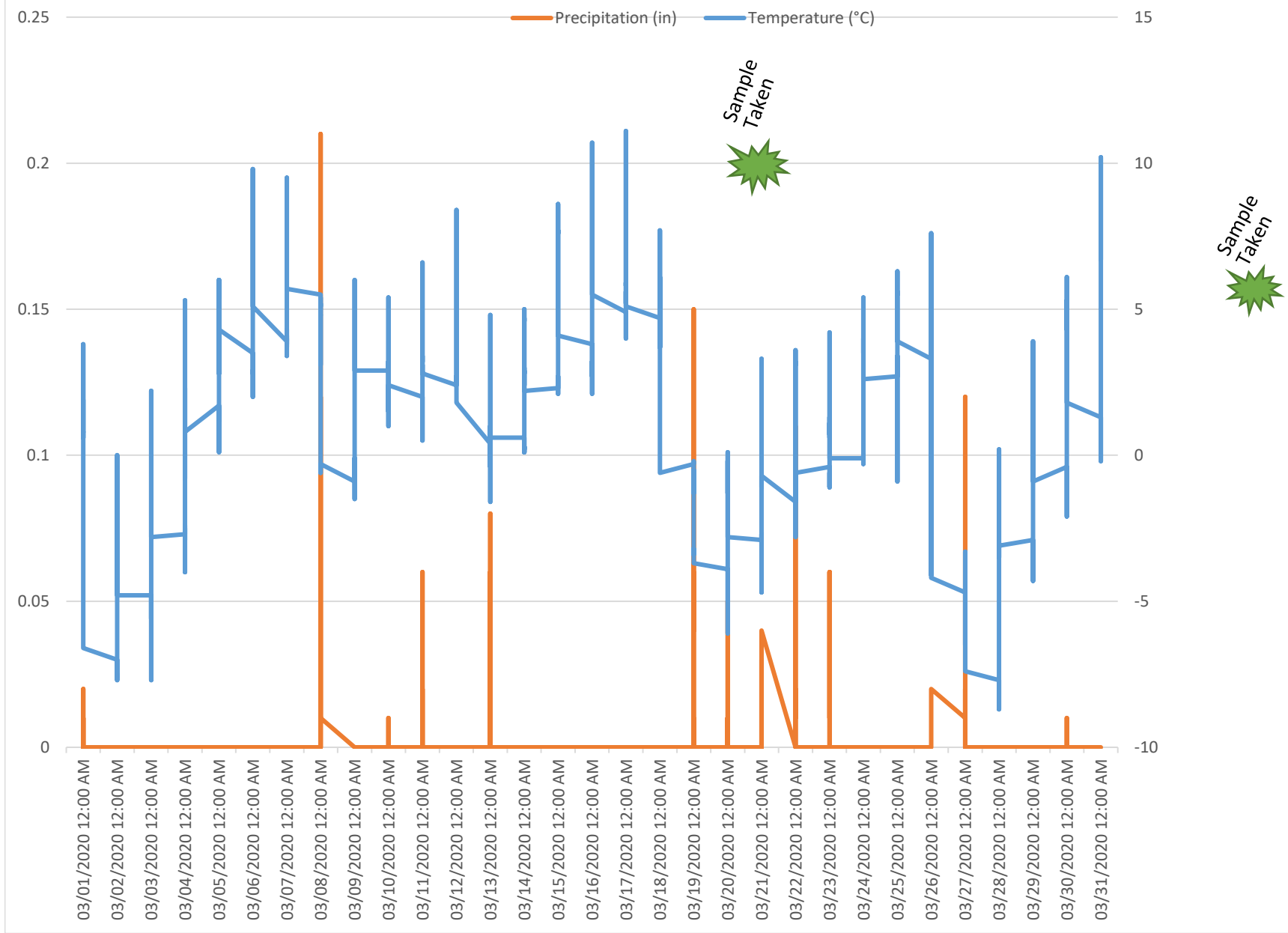
Barbara A. Walz
Senior Vice President
Policy and Compliance
Chief Compliance Officer

BAW:DC:

Enclosures

cc: Chantell Johnson, via email
Darlene Crosby, via email
File: G471-11.3(10)a-9a

Collom March 2020 Temperature and Precipitation Data



Date Time	Temperatu	Precipitation (in)
03/01/2020 01:00 AM	1.9	0
03/01/2020 02:00 AM	0.8	0
03/01/2020 03:00 AM	1	0
03/01/2020 04:00 AM	1	0
03/01/2020 05:00 AM	1.2	0
03/01/2020 06:00 AM	1.6	0
03/01/2020 07:00 AM	1.9	0
03/01/2020 08:00 AM	1.9	0
03/01/2020 09:00 AM	2.4	0
03/01/2020 10:00 AM	3	0
03/01/2020 11:00 AM	3.8	0
03/01/2020 12:00 PM	3.6	0
03/01/2020 01:00 PM	3.1	0
03/01/2020 02:00 PM	0.7	0.01
03/01/2020 03:00 PM	0.6	0
03/01/2020 04:00 PM	0.8	0
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03/01/2020 08:00 PM	-5.3	0
03/01/2020 09:00 PM	-5.6	0
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03/01/2020 11:00 PM	-6.6	0
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03/02/2020 04:00 PM	0	0
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03/02/2020 07:00 PM	-3	0
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03/21/2020 07:00 AM	-3.8	0
03/21/2020 08:00 AM	-1.1	0
03/21/2020 09:00 AM	1.1	0
03/21/2020 10:00 AM	1.9	0
03/21/2020 11:00 AM	2.6	0
03/21/2020 12:00 PM	3.3	0
03/21/2020 01:00 PM	3.2	0
03/21/2020 02:00 PM	2.8	0
03/21/2020 03:00 PM	2.1	0
03/21/2020 04:00 PM	2.1	0
03/21/2020 05:00 PM	1.4	0
03/21/2020 06:00 PM	0.2	0
03/21/2020 07:00 PM	-0.3	0.03
03/21/2020 08:00 PM	-0.7	0
03/21/2020 09:00 PM	-0.7	0
03/21/2020 10:00 PM	-1.1	0.01
03/21/2020 11:00 PM	-0.7	0.04

03/22/2020 12:00 AM	-1.6	0
03/22/2020 01:00 AM	-1	0
03/22/2020 02:00 AM	-1	0
03/22/2020 03:00 AM	-1.4	0.07
03/22/2020 04:00 AM	-1.9	0.11
03/22/2020 05:00 AM	-2.3	0.03
03/22/2020 06:00 AM	-2.5	0.01
03/22/2020 07:00 AM	-2.8	0.02
03/22/2020 08:00 AM	-2.6	0
03/22/2020 09:00 AM	-0.9	0
03/22/2020 10:00 AM	0.3	0
03/22/2020 11:00 AM	0.6	0
03/22/2020 12:00 PM	1.8	0
03/22/2020 01:00 PM	2.4	0
03/22/2020 02:00 PM	3	0
03/22/2020 03:00 PM	3.2	0
03/22/2020 04:00 PM	3.1	0
03/22/2020 05:00 PM	3.6	0
03/22/2020 06:00 PM	2.7	0
03/22/2020 07:00 PM	1.7	0
03/22/2020 08:00 PM	1.1	0
03/22/2020 09:00 PM	-0.5	0
03/22/2020 10:00 PM	-1	0
03/22/2020 11:00 PM	-0.6	0
03/23/2020 12:00 AM	-0.4	0
03/23/2020 01:00 AM	-0.7	0
03/23/2020 02:00 AM	-1.1	0
03/23/2020 03:00 AM	-1	0
03/23/2020 04:00 AM	-0.6	0
03/23/2020 05:00 AM	-1.1	0
03/23/2020 06:00 AM	-1.1	0
03/23/2020 07:00 AM	-0.2	0
03/23/2020 08:00 AM	1.4	0
03/23/2020 09:00 AM	1.9	0
03/23/2020 10:00 AM	2.4	0
03/23/2020 11:00 AM	2.8	0
03/23/2020 12:00 PM	3.3	0
03/23/2020 01:00 PM	3.5	0
03/23/2020 02:00 PM	4.2	0
03/23/2020 03:00 PM	0.7	0.06
03/23/2020 04:00 PM	1.3	0.01
03/23/2020 05:00 PM	0.6	0.06
03/23/2020 06:00 PM	1.1	0
03/23/2020 07:00 PM	0.6	0
03/23/2020 08:00 PM	0.4	0
03/23/2020 09:00 PM	0.3	0
03/23/2020 10:00 PM	0.3	0
03/23/2020 11:00 PM	-0.1	0
03/24/2020 12:00 AM	-0.1	0
03/24/2020 01:00 AM	0	0
03/24/2020 02:00 AM	-0.1	0
03/24/2020 03:00 AM	0	0
03/24/2020 04:00 AM	-0.3	0
03/24/2020 05:00 AM	-0.3	0
03/24/2020 06:00 AM	-0.1	0
03/24/2020 07:00 AM	0.2	0

03/24/2020 08:00 AM	0.5	0
03/24/2020 09:00 AM	1.4	0
03/24/2020 10:00 AM	3	0
03/24/2020 11:00 AM	4	0
03/24/2020 12:00 PM	3.5	0
03/24/2020 01:00 PM	4.5	0
03/24/2020 02:00 PM	5.2	0
03/24/2020 03:00 PM	5.4	0
03/24/2020 04:00 PM	5.4	0
03/24/2020 05:00 PM	4.8	0
03/24/2020 06:00 PM	4.3	0
03/24/2020 07:00 PM	3.4	0
03/24/2020 08:00 PM	3.2	0
03/24/2020 09:00 PM	3.2	0
03/24/2020 10:00 PM	2.8	0
03/24/2020 11:00 PM	2.6	0
03/25/2020 12:00 AM	2.7	0
03/25/2020 01:00 AM	3.3	0
03/25/2020 02:00 AM	3.4	0
03/25/2020 03:00 AM	3.4	0
03/25/2020 04:00 AM	3.2	0
03/25/2020 05:00 AM	3	0
03/25/2020 06:00 AM	2.6	0
03/25/2020 07:00 AM	2.4	0
03/25/2020 08:00 AM	0.6	0
03/25/2020 09:00 AM	-0.9	0
03/25/2020 10:00 AM	-0.6	0
03/25/2020 11:00 AM	0.9	0
03/25/2020 12:00 PM	1.9	0
03/25/2020 01:00 PM	4	0
03/25/2020 02:00 PM	5.6	0
03/25/2020 03:00 PM	5.5	0
03/25/2020 04:00 PM	6.3	0
03/25/2020 05:00 PM	6.2	0
03/25/2020 06:00 PM	6.1	0
03/25/2020 07:00 PM	5.4	0
03/25/2020 08:00 PM	4.9	0
03/25/2020 09:00 PM	4	0
03/25/2020 10:00 PM	3.9	0
03/25/2020 11:00 PM	3.9	0
03/26/2020 12:00 AM	3.3	0
03/26/2020 01:00 AM	3	0
03/26/2020 02:00 AM	3.2	0
03/26/2020 03:00 AM	3	0
03/26/2020 04:00 AM	-0.2	0
03/26/2020 05:00 AM	-3.5	0
03/26/2020 06:00 AM	-4.1	0
03/26/2020 07:00 AM	-4.1	0
03/26/2020 08:00 AM	-0.2	0
03/26/2020 09:00 AM	3.2	0
03/26/2020 10:00 AM	3.8	0
03/26/2020 11:00 AM	5.1	0
03/26/2020 12:00 PM	5.8	0
03/26/2020 01:00 PM	6.4	0
03/26/2020 02:00 PM	7	0
03/26/2020 03:00 PM	7.2	0

03/26/2020 04:00 PM	7.6	0
03/26/2020 05:00 PM	7.4	0
03/26/2020 06:00 PM	4.3	0
03/26/2020 07:00 PM	0	0
03/26/2020 08:00 PM	-1.2	0
03/26/2020 09:00 PM	-2.2	0
03/26/2020 10:00 PM	-3.1	0.01
03/26/2020 11:00 PM	-4.2	0.02
03/27/2020 12:00 AM	-4.7	0.01
03/27/2020 01:00 AM	-5.2	0.01
03/27/2020 02:00 AM	-5.5	0.01
03/27/2020 03:00 AM	-5.7	0.02
03/27/2020 04:00 AM	-5.8	0.03
03/27/2020 05:00 AM	-5.9	0.05
03/27/2020 06:00 AM	-6	0.11
03/27/2020 07:00 AM	-6.3	0.12
03/27/2020 08:00 AM	-6.4	0.09
03/27/2020 09:00 AM	-6.5	0.04
03/27/2020 10:00 AM	-6.2	0.04
03/27/2020 11:00 AM	-5.8	0.01
03/27/2020 12:00 PM	-5.6	0
03/27/2020 01:00 PM	-5.4	0
03/27/2020 02:00 PM	-5	0
03/27/2020 03:00 PM	-4.4	0
03/27/2020 04:00 PM	-4	0
03/27/2020 05:00 PM	-3.3	0
03/27/2020 06:00 PM	-4.2	0.02
03/27/2020 07:00 PM	-4.5	0
03/27/2020 08:00 PM	-5.4	0
03/27/2020 09:00 PM	-6.5	0
03/27/2020 10:00 PM	-6.9	0
03/27/2020 11:00 PM	-7.4	0
03/28/2020 12:00 AM	-7.7	0
03/28/2020 01:00 AM	-7.9	0
03/28/2020 02:00 AM	-8.2	0
03/28/2020 03:00 AM	-8.3	0
03/28/2020 04:00 AM	-8.7	0
03/28/2020 05:00 AM	-8.7	0
03/28/2020 06:00 AM	-8.3	0
03/28/2020 07:00 AM	-7.3	0
03/28/2020 08:00 AM	-6.4	0
03/28/2020 09:00 AM	-5.2	0
03/28/2020 10:00 AM	-4.1	0
03/28/2020 11:00 AM	-2.9	0
03/28/2020 12:00 PM	-1.9	0
03/28/2020 01:00 PM	-1.4	0
03/28/2020 02:00 PM	-0.4	0
03/28/2020 03:00 PM	0.2	0
03/28/2020 04:00 PM	-0.1	0
03/28/2020 05:00 PM	-0.2	0
03/28/2020 06:00 PM	-0.6	0
03/28/2020 07:00 PM	-2.4	0
03/28/2020 08:00 PM	-3.1	0
03/28/2020 09:00 PM	-3.5	0
03/28/2020 10:00 PM	-3.1	0
03/28/2020 11:00 PM	-3.1	0

03/29/2020 12:00 AM	-2.9	0
03/29/2020 01:00 AM	-2.9	0
03/29/2020 02:00 AM	-2.9	0
03/29/2020 03:00 AM	-3.6	0
03/29/2020 04:00 AM	-4.2	0
03/29/2020 05:00 AM	-4.3	0
03/29/2020 06:00 AM	-3.4	0
03/29/2020 07:00 AM	-3.1	0
03/29/2020 08:00 AM	-0.7	0
03/29/2020 09:00 AM	0.9	0
03/29/2020 10:00 AM	1.6	0
03/29/2020 11:00 AM	2.2	0
03/29/2020 12:00 PM	2.7	0
03/29/2020 01:00 PM	3.1	0
03/29/2020 02:00 PM	3.2	0
03/29/2020 03:00 PM	3.2	0
03/29/2020 04:00 PM	3.9	0
03/29/2020 05:00 PM	2.5	0
03/29/2020 06:00 PM	1.7	0
03/29/2020 07:00 PM	0.6	0
03/29/2020 08:00 PM	-0.1	0
03/29/2020 09:00 PM	-0.3	0
03/29/2020 10:00 PM	-0.4	0
03/29/2020 11:00 PM	-0.9	0
03/30/2020 12:00 AM	-0.4	0
03/30/2020 01:00 AM	-0.8	0
03/30/2020 02:00 AM	-1.2	0
03/30/2020 03:00 AM	-1.4	0
03/30/2020 04:00 AM	-1.4	0.01
03/30/2020 05:00 AM	-1.5	0
03/30/2020 06:00 AM	-1.8	0
03/30/2020 07:00 AM	-2.1	0
03/30/2020 08:00 AM	-0.4	0
03/30/2020 09:00 AM	0.3	0
03/30/2020 10:00 AM	0.6	0
03/30/2020 11:00 AM	1.9	0
03/30/2020 12:00 PM	2.6	0
03/30/2020 01:00 PM	3.8	0
03/30/2020 02:00 PM	5.3	0
03/30/2020 03:00 PM	4.3	0
03/30/2020 04:00 PM	6.1	0
03/30/2020 05:00 PM	5.3	0
03/30/2020 06:00 PM	4.6	0
03/30/2020 07:00 PM	3.7	0
03/30/2020 08:00 PM	2.9	0
03/30/2020 09:00 PM	2.1	0
03/30/2020 10:00 PM	1.8	0
03/30/2020 11:00 PM	1.8	0
03/31/2020 12:00 AM	1.3	0
03/31/2020 01:00 AM	0.5	0
03/31/2020 02:00 AM	-0.2	0
03/31/2020 03:00 AM	0.7	0
03/31/2020 04:00 AM	0.9	0
03/31/2020 05:00 AM	1.2	0
03/31/2020 06:00 AM	2	0
03/31/2020 07:00 AM	2.3	0

03/31/2020 08:00 AM	2.8	0
03/31/2020 09:00 AM	5	0
03/31/2020 10:00 AM	5.9	0
03/31/2020 11:00 AM	8.3	0
03/31/2020 12:00 PM	9.2	0
03/31/2020 01:00 PM	10	0
03/31/2020 02:00 PM	10.2	0
03/31/2020 03:00 PM	10.1	0
03/31/2020 04:00 PM	10.1	0
03/31/2020 05:00 PM	9.6	0
03/31/2020 06:00 PM	8.3	0
03/31/2020 07:00 PM	7.5	0
03/31/2020 08:00 PM	7.4	0
03/31/2020 09:00 PM	7.2	0
03/31/2020 10:00 PM	7.1	0
03/31/2020 11:00 PM	6.7	0

WET TEST REPORT FORM – CHRONIC

Permittee: Colowyo Coal Company

Outfall: 010A

Permit No.: CO-0045161

Test Type: Routine ☒ Accelerated ☐ Screen ☐

Test Species: *Ceriodaphnia dubia*

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1510	02-19-2020	1410	02-25-2020

Test Results	Lethality/TCP3B	Reproduction/TKP3B
S code: NOEL	60%	60%
	FAIL	FAIL
P code: LC ₂₅ /IC ₂₅	65%	59.5%
	FAIL	FAIL
T code:	65%	60%

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	90
% Survival for day 2	100	100	100	100	80	50
% Survival for day 3	100	100	100	90	40	30
% Survival for day 4	100	100	100	90	40	20
% Survival for day 5	100	100	100	90	40	10
% Survival for day 6	100	100	100	90	30	10
Mean 3 Brood Total	18.1	16.5	16.5	13.5	3.2	1.1

Hardness (mg/L) – Receiving Water: N/A Effluent: 782/685/744 Recon Water: 85

Alkalinity (mg/L) – Receiving Water: N/A Effluent: 922/1028/1006 Recon Water: 61

Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 7.9/8.0 100%: 8.2/8.2

Total Ammonia as NH₃ (mg/L) - Effluent: 0.32/0.30/0.50

Were all Test Conditions in Conformance with Division Guidelines? YES ☒ NO ☐

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Sarah Adler, Margie Glenn, and Daniela Thornton

Signature



Date

28 February 2020

WET TEST REPORT FORM – CHRONIC

Permittee: Colowyo Coal Company

Outfall: 010A

Permit No.: CO-0045161

Test Type: Routine ☒ Accelerated ☐ Screen ☐

Test Species: Fathead minnow

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1620	02-19-2020	1600	02-26-2020

Test Results	Lethality/TCP6C	Growth/TKP6C
S code: NOEL	100%	100%
	PASS	PASS
P code: LC ₂₅ /IC ₂₅	>100%	>100%
	PASS	PASS
T code:	>100%	>100%

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	98	98
% Survival for day 2	93	100	100	90	93	93
% Survival for day 3	93	95	100	90	85	90
% Survival for day 4	93	95	100	88	85	83
% Survival for day 5	93	95	100	88	85	78
% Survival for day 6	90	95	100	88	85	75
% Survival for day 7	90	95	100	85	85	75
Mean Dry Wt. (mg)	0.412	0.417	0.494	0.408	0.429	0.385

Hardness (mg/L) – Receiving Water: N/A

Effluent: 782/685/744

Recon Water: 81

Alkalinity (mg/L) – Receiving Water: N/A

Effluent: 922/1028/1006

Recon Water: 64

Chlorine (mg/L) – Effluent: <0.01

pH (initial/final) – Control: 8.0/7.8

100%: 8.1/8.1

Total Ammonia as NH₃ (mg/L) - Effluent: 0.32/0.30/0.50

Were all Test Conditions in Conformance with Division Guidelines? YES ☐ NO ☒

If **NO**, list deviations from test specifications: DO fell below 4.0 mg/L in overnight test chambers.

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Sean Rainey and Daniel Hillenburg

Signature

[Signature]

Date

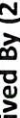
28 February 2020

CHAIN OF CUSTODY

500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

[illegible]



Relinquished By (1)		Received By (1)		Relinquished By (2)		Received By (2)	
Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
	2-19-2020						02/02/20
	1000						0752



500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

Client/Project Name: Colowyo Coal Co P. O./Project Number: Qu Chronic WET Test Contact: Angela Aalbers Address: 5731 State Hwy 13 meeker CO 81641 Phone # 970-824-1219 E-Mail: gaalbers@tristateng Fax # _____ Sampler: A. Aalbers Report By: ☐ Mail ☒ PDF ☐ FAX										Analysis (Check all applicable) Metals (List Below) _____ Solids (TS/TDS/TSS) (Circle) _____ Anions (List Below) _____ Chromium III/VI (Circle) _____ Oil and Grease _____ Coliform (Total/Fecal/E-Coli) (Circle) _____ BOD/COD (Circle) _____ Other Analysis (List Below) _____ Number of Containers _____ Total Volume _____									
Sample Location or ID: G10A Date: 2/21/20 Time: 0835 Grab/Comp: Grab Lab ID (Lab Use Only): 420 Qu-B-#3										WET: Acute (Indicate Below) _____ WET: Chronic (Indicate Below) ☒ WET: Accelerated (Indicate Below) _____ WET: PTI/TIE/TRE (Indicate Below) _____									
Turnaround Requirements (Analytical Testing Only) Standard (10 days) _____ 3-5 Day _____ 6-9 Day _____ 1-2 Day _____										Test Species: ☒ Fathead Minnow ☒ Cerio daphnia ☐ Daphnia magna ☐ Daphnia pulex ☐ Other (List Below) _____ Special Instructions/Comments: _____									
Requested Report Date: _____										Relinquished By (1) Signature: Angela Aalbers Date/Time: 2/21/20 11:30									
Received By (1) Signature: WPS Date/Time: _____										Relinquished By (2) Signature: WPS Date/Time: _____									
Received By (2) Signature: WPS Date/Time: _____										Received By (2) Signature: WPS Date/Time: _____									

WET TEST REPORT FORM – ACUTE

Permittee: Colowyo Coal Company

Outfall(s): 003A

Permit No.: CO-0045161

Test Type: Routine ☒ Accelerated ☐ Screen ☐

Test Species: *Ceriodaphnia dubia*

Test Results

(LC50) TAM3B	Statistical Method	Begin Test Date	Begin Test Time	End Test Date	End Test Time
>100%	N/A	03-06-2020	1330	03-08-2020	1320

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
# at Start of Test	20	20	20	20	20	20
# live after 24-hours	20	20	20	20	20	20
# live after 48-hours	20	20	20	20	20	20

Hardness (mg/L) – Receiving Water: N/A

Effluent: 242

Recon Water: 97

Alkalinity (mg/L) – Receiving Water: N/A

Effluent: 70

Recon Water: 58

Chlorine (mg/L) – <0.01

pH (initial/final) – Control: 8.1/8.1

100%: 8.3/8.0

Total Ammonia as NH₃ (mg/L) – Effluent: 0.03

Were all Test Conditions in Conformance with Division Guidelines? YES ☒ NO ☐

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Sarah Adler, Daniela Thornton, and Margie Glenn

Signature



Date

13 March 2020

WET TEST REPORT FORM – ACUTE

Permittee: Colowyo Coal Company

Outfall(s): 003A

Permit No.: CO-0045161

Test Type: Routine ☒ Accelerated ☐ Screen ☐

Test Species: Fathead minnow

Test Results

(LC50) TAN6C	Statistical Method	Begin Test Date	Begin Test Time	End Test Date	End Test Time
>100%	N/A	03-06-2020	1550	03-10-2020	1620

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
# at Start of Test	40	40	40	40	40	40
# live after 24-hours	40	40	40	40	40	40
# live after 48-hours	40	40	40	39	40	40
# live after 72-hours	40	40	40	39	39	39
# live after 96-hours	39	38	37	37	35	35

Hardness (mg/L) – Receiving Water: N/A

Effluent: 242

Recon Water: 93

Alkalinity (mg/L) – Receiving Water: N/A

Effluent: 70

Recon Water: 63

Chlorine (mg/L) – <0.01

pH (initial/final) – Control: 8.0/7.9

100%: 8.1/7.8

Total Ammonia as NH₃ (mg/L) – Effluent: 0.03

Were all Test Conditions in Conformance with Division Guidelines? YES ☒ NO ☐

If **NO**, list deviations from test specifications:

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Sarah Adler, Sean Rainey, and Daniel Hillenburg

Signature



Date

13 March 2020



500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027
(303) 661.9324 - FAX (303) 661.9325

[illegible]

From: [Envs Reports](#)
To: [Johnson, Chantell](#); [Crosby, Darlene](#); [Gilbreath, Chris](#)
Subject: FW: [EXTERNAL] Re: UPDATE: Colowyo Notification of Chronic WET Results - 3Q19 & Waiver Request for TIE
Date: Friday, October 4, 2019 9:10:22 AM

From: Mink - CDPHE, Eric <eric.mink@state.co.us>
Sent: Friday, October 4, 2019 8:57 AM
To: Robinson, Diane <drolinson@tristategt.org>
Cc: Gilbreath, Chris <cgilbreath@tristategt.org>; Johnson, Chantell <cjohnson@tristategt.org>
Subject: [EXTERNAL] Re: UPDATE: Colowyo Notification of Chronic WET Results - 3Q19 & Waiver Request for TIE

The work being done on the TIE/TRE will suffice as the automatic compliance so no further action is needed.

Thank you

On Wed, Oct 2, 2019 at 3:11 PM Robinson, Diane <drolinson@tristategt.org> wrote:

Eric –

Please find the updated attached letter for Colowyo Mine. Please disregard the prior report that was sent earlier today as it was missing some pages. We apologize for any inconvenience. If you have any questions on this submittal, please contact me directly.

Thanks,

Chantell Johnson

Tri-State Generation and Transmission Association, Inc.
Environmental Services
Direct 303-254-3185
cjohnson@tristategt.org

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Eric Mink
Unit Lead
Clean Water Enforcement Unit



P 303.692.2312
4300 Cherry Creek Drive South, Denver, CO 80246-1530
eric.mink@state.co.us | www.colorado.gov/cdphe/wgcd
24-hour Environmental Release/Incident Report Line: [1.877.518.5608](tel:18775185608)

