



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

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

January 21, 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: December 2019 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 December of 2019. 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 December 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,

Daniel J. Casiraro
Senior Manager
Environmental Services

DJC:DC:der

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



From: netdmr-notification@epa.gov
To: [Crosby, Darlene](#); [Johnson, Chantell](#); [Walz, Barbara](#)
Subject: [EXTERNAL] NetDMR DMR(s) Submittal Passed for: CO0045161
Date: Friday, January 24, 2020 11:32:29 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: _4c2b73d6-b080-483b-8556-4a42cac4ac71
User ID: BARBARAWALZ1
Timestamp: 01/24/2020 11:09:11

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 003
Discharge: A - Gossard Pond to Wilson Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 003
Discharge: Q - Quarterly Monitoring for 003A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 003
Discharge: W - Acute WET Testing for 003A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 006
Discharge: A - Rail Loop/Wilson Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 006
Discharge: Q - Quarterly Monitoring for 006A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 006
Discharge: W - Acute WET Testing for 006A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161

Permitted Feature: 010
Discharge: A - East Taylor Pond to Taylor Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 010
Discharge: Q - Quarterly Monitoring for 010A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 010
Discharge: X - Chronic WET Testing at 010A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 013
Discharge: A - Section 25 Pond to Little Collom Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 013
Discharge: Q - Quarterly Monitoring for 013A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 014
Discharge: A - Section 26 Pond to Collom Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 014
Discharge: Q - Quarterly Monitoring for 014A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 021
Discharge: A - Sump 1 to Taylor Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 021
Discharge: Q - Quarterly Monitoring for 021A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 022
Discharge: A - Sump 2 to Taylor Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 022
Discharge: Q - Quarterly Monitoring for 022A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 023
Discharge: A - Sump 3 to Taylor Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 023
Discharge: Q - Quarterly Monitoring for 023A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 024
Discharge: A - Sump 4 to Taylor Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 024
Discharge: Q - Quarterly Monitoring for 024A
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 025
Discharge: A - Sump 5 to Taylor Creek
Monitoring Period End Date: 12/31/19

Permitted Facility Name: COLOWYO MINE
Permit ID: CO0045161
Permitted Feature: 025
Discharge: Q - Quarterly Monitoring for 025A
Monitoring Period End Date: 12/31/19

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

--

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:

003
External Outfall

Discharge:

003-Q
Quarterly Monitoring for 003A

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 09:53 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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														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:

2019-12-26 09:54 (Time Zone: -07:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 09:58 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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

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Comments

Attachments

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Report Last Saved By

Colowyo Coal Co LP

User:

AAALBERS@TRISTATEGT.ORG

Name:

Angela Aalbers

E-Mail:

aaalbers@tristategt.org

Date/Time:

2019-12-26 09:59 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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								=	4960.0			7B - dS/m	0	02/30 - Twice Per Month	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						=	8.16			=	8.16	12 - SU	0	02/30 - Twice Per Month	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								=	1165.0	=	1180.0	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								<	5.0	<	5.0	19 - mg/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.								<=	35.0 30DA AVG	<=	70.0 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI															
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample								=	143.0	=	149.0	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								=	121.0	=	126.0	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								=	938.0	=	948.0	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								=	13.9	=	14.1	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								=	17.3	=	17.7	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								=	2.0			28 - ug/L	0	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									Req Mon 30DA AVG			28 - ug/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	70.0	=	100.0	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															
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample								=	245.0	=	310.0	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															
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		02/30 - Twice Per Month	GR - GRAB
					Value NODI															
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample								=	4.0	=	8.0	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															
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		02/30 - Twice Per Month	GR - GRAB
					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		02/30 - Twice Per Month	GR - GRAB
					Value NODI															

01319	Manganese, potentially dissolvd	1 - Effluent Gross	0	--	Sample									=	232.0	=	338.0	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									<	1.0	<	1.0	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									=	0.0018			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:

2020-01-08 07:52 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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							=	3405.0			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:

2019-12-26 10:27 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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						=	42.8					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI															
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample						=	40.0					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI															
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	--	Sample						=	86.3					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon SINGSAMP					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI															
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	--	Sample						=	80.0					2G - tox chronic	0	01/90 - Quarterly	G3 - GRAB-3
					Permit Req.							Req Mon MN VALUE					2G - tox chronic		01/90 - Quarterly	G3 - GRAB-3
					Value NODI															

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

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.

Attachments

Name	Type	Size
Colowyo_CDPS_CO0045161_Outfall010_WETresults_December_2019_COC.pdf	pdf	1876987.0
Re_UPDATE_Colowyo_Notification_of_Chronic_WET_Results-3Q19_&_Waiver_Request_for_TIE.pdf	pdf	75473.0

Report Last Saved By

Colowyo Coal Co LP

User:

Chantell75

Name:

Chantell Johnson

E-Mail:

cjohnson@tristategt.org

Date/Time:

2020-01-21 12:06 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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														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.								<=	1000.0 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.	<=	0.61 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:

2019-12-26 10:01 (Time Zone: -07:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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-Q
Quarterly Monitoring for 013A

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

--

50286 Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI											Req Mon 30DA AVG				28 - ug/L			01/90 - Quarterly		GR - GRAB
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: 2019-12-26 10:01 (Time Zone: -07:00)																								
Report Last Signed By																								
User: BARBARAWALZ1																								
Name: Barbara Walz																								
E-Mail: bwalz@tristategt.org																								
Date/Time: 2020-01-24 09:09 (Time Zone: -07:00)																								

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

--

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:

2019-12-26 10:02 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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					
00981	Selenium, 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					
01094	Zinc, 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					
01113	Cadmium, 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					
01118	Chromium, 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			
01119	Copper, 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	19 - mg/L		
					Value NODI									C - No Discharge		C - No Discharge			
11123	Manganese, 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					
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: 2019-12-26 10:02 (Time Zone: -07:00)

Report Last Signed By

User: BARBARAWALZ1
Name: Barbara Walz
E-Mail: bwalz@tristategt.org
Date/Time: 2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

--

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:

2019-12-26 10:06 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:07 (Time Zone: -07:00)

Report Last Signed By

User:	BARBARAWALZ1
Name:	Barbara Walz
E-Mail:	bwalz@tristategt.org
Date/Time:	2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:06 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:07 (Time Zone: -07:00)

Report Last Signed By

User:	BARBARAWALZ1
Name:	Barbara Walz
E-Mail:	bwalz@tristategt.org
Date/Time:	2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

--

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.	<=	1.14 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:

2019-12-26 10:07 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:08 (Time Zone: -07:00)

Report Last Signed By

User:	BARBARAWALZ1
Name:	Barbara Walz
E-Mail:	bwalz@tristategt.org
Date/Time:	2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:08 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:09 (Time Zone: -07:00)

Report Last Signed By

User:	BARBARAWALZ1
Name:	Barbara Walz
E-Mail:	bwalz@tristategt.org
Date/Time:	2020-01-24 09:09 (Time Zone: -07:00)

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 12/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

--

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.	<=	2.16 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:

2019-12-26 10:09 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2020-01-24 09:09 (Time Zone: -07:00)

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 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

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:

2019-12-26 10:10 (Time Zone: -07:00)

Report Last Signed By

User:	BARBARAWALZ1
Name:	Barbara Walz
E-Mail:	bwalz@tristategt.org
Date/Time:	2020-01-24 09:09 (Time Zone: -07:00)

WET TEST REPORT FORM – CHRONIC

Permittee: Colowyo Coal Company L.P.

Outfall: 010A

Permit No.: CO0045161

Test Type: Routine ☒ Accelerated ☐

Test Species: *Ceriodaphnia dubia*

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1250	10-22-2019	1200	10-28-2019

Test Results	Lethality	Reproduction
NOEL	40%	40%
	FAIL	FAIL
LC ₂₅ /IC ₂₅	47.3%	42.8%
	FAIL	FAIL

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	100	70
% Survival for day 2	100	90	100	80	60	40
% Survival for day 3	100	90	100	80	40	20
% Survival for day 4	100	90	100	50	0	0
% Survival for day 5	100	90	100	50	0	0
% Survival for day 6	100	90	100	40	0	0
Mean 3 Brood Total	25.4	23.2	20.9	7.8	0.2	0.0

Hardness (mg/L) – Receiving Water: N/A Effluent: 876/912/945 Recon Water: 87

Alkalinity (mg/L) – Receiving Water: N/A Effluent: 1004/976/1027 Recon Water: 60

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

Total Ammonia as NH₃ (mg/L) - Effluent: 1.18/0.69/0.46

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: Margie Glenn, Nicholas Cipoletti, Sarah Adler, Tessa Hunt-Woodland, and Daniela Thornton

Signature

Date

11-01-2019

WET TEST REPORT FORM – CHRONIC

Permittee: Colowyo Coal Company L.P.

Outfall: 010A

Permit No.: CO0045161

Test Type: Routine ☒ Accelerated ☐

Test Species: Fathead minnow

IWC: 100%

Test Start Time	Test Start Date	Test End Time	Test End Date
1310	10-22-2019	1300	10-29-2019

Test Results	Lethality	Growth
NOEL	60%	80%
	FAIL	PASS
LC ₂₅ /IC ₂₅	85.0%	86.3%
	FAIL	FAIL

Dilution(s) - % Effluent

Measurements	Control (0%)	20%	40%	60%	80%	100%
% Survival for day 1	100	100	100	100	98	100
% Survival for day 2	100	100	100	98	88	78
% Survival for day 3	100	100	100	95	85	70
% Survival for day 4	100	100	100	93	83	65
% Survival for day 5	100	98	100	93	80	60
% Survival for day 6	100	98	100	88	80	60
% Survival for day 7	100	98	100	88	80	60
Mean Dry Wt. (mg)	0.282	0.294	0.276	0.246	0.225	0.198

Hardness (mg/L) – Receiving Water: N/A Effluent: 876/912/945 Recon Water: 91
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 1004/976/1027 Recon Water: 64
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.1/7.6 100%: 8.0/7.9
Total Ammonia as NH₃ (mg/L) - Effluent: 1.18/0.69/0.46

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

If **NO**, list deviations from test specifications: Dissolved oxygen fell below 4.0mg/L in effluent test chambers.

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Nicholas Cipoletti, Sarah Adler, Daniel Hillenburg, and Daniela Thornton

Signature

Date

11-01-2019

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

[illegible]



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

Client/Project Name:					
P. O./Project Number:					
Contact:					
Address:					
Phone #					
Fax #					
Report By:					
Sample Location or ID					
Date					
Time					
Grab/Comp					
Lab ID (Lab Use Only)					
WET: Acute (Indicate Below)					
WET: Chronic (Indicate Below)					
WET: Accelerated (Indicate Below)					
WET: PTI/TIE/TRE (Indicate Below)					
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					

Turnaround Requirements (Analytical Testing Only)		Test Species:	
Standard (10 days)	6-9 Day	☒ Fathead Minnow	☒ Cerio daphnia
3-5 Day	1-2 Day	☐ Daphnia magna	☐ Other (List Below)

Special Instructions/Comments:

Requested Report Date:

Relinquished By (1)		Received By (1)		Relinquished By (2)		Received By (2)	
Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time
[Signature]	10.23.19	[Signature]	1100	[Signature]	10.23.19	[Signature]	10.24.19



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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*

--

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)

