



October 28, 2022

VIA Electronic Mail: [Zach.Trujillo@state.co.us](mailto: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: September 2022 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 September of 2022. 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 September DMRs were submitted electronically through the EPA's NetDMR program.

If you have any questions about the enclosed reports, please contact Greg Wallingford at 303-254-3712 or Darlene Crosby at 303-254-3055.

Sincerely,  
DocuSigned by:

A handwritten signature in black ink that reads "Chris Gilbreath".

D250C711D08F450...  
Chris Gilbreath

Sr. Manager  
Remediation and Reclamation

CG:DC:

Enclosure

cc: DRMS Representative, Denver, CO  
Darlene Crosby (via email)  
Greg Wallingford (via email)  
Tony Tennyson (via email)  
File: G471 – 11.3(10)a-9a  
Colowyo CF 21.1.2.201

**From:** [netdmr-notification@epa.gov](mailto:netdmr-notification@epa.gov)  
**To:** [Johnson, Chantell](#); [Crosby, Darlene](#); [Wallingford, Gregory](#); [Walz, Barbara](#)  
**Subject:** [EXTERNAL] NetDMR DMR(s) Submittal Passed for: CO0045161  
**Date:** Thursday, October 27, 2022 1:37:53 PM

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CAUTION: This email originated from outside of Tri-State. DO NOT click links or open attachments unless you recognize and/or trust the sender. Contact the IT Service Desk with questions or concerns.

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

CDX Transaction ID: \_180dd5cb-0d93-4abf-bf1a-568423e355c3  
User ID: BARBARAWALZ1  
Timestamp: 10/25/2022 10:55:03

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 003  
Discharge: A - Gossard Pond to Wilson Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 003  
Discharge: Q - Quarterly Monitoring for 003A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 003  
Discharge: W - Acute WET Testing for 003A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 006  
Discharge: A - Rail Loop/Wilson Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 006  
Discharge: Q - Quarterly Monitoring for 006A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 006  
Discharge: W - Acute WET Testing for 006A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 010  
Discharge: A - East Taylor Pond to Taylor Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 010  
Discharge: Q - Quarterly Monitoring for 010A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 010  
Discharge: X - Chronic WET Testing at 010A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 013  
Discharge: A - Section 25 Pond to Little Collom Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 013  
Discharge: Q - Quarterly Monitoring for 013A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 014  
Discharge: A - Section 26 Pond to Collom Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 014  
Discharge: Q - Quarterly Monitoring for 014A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 021  
Discharge: A - Sump 1 to Taylor Creek  
Monitoring Period End Date: 09/30/22  
-----

Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 021  
Discharge: Q - Quarterly Monitoring for 021A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 022  
Discharge: A - Sump 2 to Taylor Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 022  
Discharge: Q - Quarterly Monitoring for 022A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 023  
Discharge: A - Sump 3 to Taylor Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 023  
Discharge: Q - Quarterly Monitoring for 023A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 024  
Discharge: A - Sump 4 to Taylor Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 024  
Discharge: Q - Quarterly Monitoring for 024A  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE  
Permit ID: CO0045161  
Permitted Feature: 025  
Discharge: A - Sump 5 to Taylor Creek  
Monitoring Period End Date: 09/30/22

-----  
Permitted Facility Name: COLOWYO MINE

Permit ID: CO0045161

Permitted Feature: 025

Discharge: Q - Quarterly Monitoring for 025A

Monitoring Period End Date: 09/30/22

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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

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| 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. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             |                  | 7B - dS/m  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             |                  |            |          |                         |             |
| 00400     | pH                           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       | >=                       | 6.5 MINIMUM      |             |                  | <=          | 9.0 MAXIMUM      | 12 - SU    |          | 01/30 - Monthly         | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          | C - No Discharge |             |                  |             | C - No Discharge |            |          |                         |             |
| 00440     | Bicarbonate ion- [as HCO3]   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00530     | Solids, total suspended      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 01/30 - Monthly         | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  | <=          | 35.0 30DA AVG    | <=          | 70.0 DAILY MX    | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00918     | Calcium, total recoverable   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00921     | Magnesium, total recoverable | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00923     | Sodium, total recoverable    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00931     | Sodium adsorption ratio      | EG - Effluent Gross | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | CA - CALCTD |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 1U - Ratio |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00931     | Sodium adsorption ratio      | P - See Comments    | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | CA - CALCTD |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 1U - Ratio |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |

|       |                                           |                    |   |    |                    |    |                  |  |                  |                    |  |  |  |    |                  |    |                  |           |  |                         |             |
|-------|-------------------------------------------|--------------------|---|----|--------------------|----|------------------|--|------------------|--------------------|--|--|--|----|------------------|----|------------------|-----------|--|-------------------------|-------------|
| 00978 | Arsenic, total recoverable                | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    |                  | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    |                  |           |  |                         |             |
| 00980 | Iron, total recoverable                   | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  | <= | 1000.0 30DA AVG  | <= | 6000.0 DAILY MX  | 19 - mg/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01303 | Zinc, potentially dissolved               | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01304 | Silver, potentially dissolved             | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01306 | Copper, potentially dissolved             | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01313 | Cadmium, potentially dissolvd             | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01314 | Chromium, trivalent, potentially dissolvd | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    |                  | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    |                  |           |  |                         |             |
| 01319 | Manganese, potentially dissolvd           | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01323 | Selenium, potentially dissolvd            | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 03582 | Oil and grease                            | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    |                  | <= | 10.0 INST MAX    | 19 - mg/L |  | 77/77 - Contingent      | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    |                  |    | C - No Discharge |           |  |                         |             |
| 04262 | Chromium, trivalent total recoverable     | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 50050 | Flow, in conduit or thru treatment plant  | 1 - Effluent Gross | 0 | -- | Sample Permit Req. | <= | 0.82 30DA AVG    |  | Req Mon DAILY MX | 03 - MGD           |  |  |  |    |                  |    |                  |           |  | 01/30 - Monthly         | IN - INSTAN |
|       |                                           |                    |   |    | Value NODI         |    | C - No Discharge |  | C - No Discharge |                    |  |  |  |    |                  |    |                  |           |  |                         |             |
| 50286 | Mercury, total [low level]                | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    |                  | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    |                  |           |  |                         |             |
| 84066 | Oil and grease visual                     | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  | Req Mon INST MAX | AB - abst=0;prst=1 |  |  |  |    |                  |    |                  |           |  | 01/30 - Monthly         | VI - VISUAL |
|       |                                           |                    |   |    |                    |    |                  |  | C - No           |                    |  |  |  |    |                  |    |                  |           |  |                         |             |

|       |                                                 |                    |   |    |             |  |                  |  |           |                    |  |                  |  |  |  |  |           |                 |             |
|-------|-------------------------------------------------|--------------------|---|----|-------------|--|------------------|--|-----------|--------------------|--|------------------|--|--|--|--|-----------|-----------------|-------------|
|       |                                                 |                    |   |    | Value NODI  |  |                  |  | Discharge |                    |  |                  |  |  |  |  |           |                 |             |
| 84165 | Discharge event observation [Visual Monitoring] | 1 - Effluent Gross | 0 | -- | Sample      |  |                  |  |           |                    |  |                  |  |  |  |  |           |                 |             |
|       |                                                 |                    |   |    | Permit Req. |  | Req Mon 30DA AVG |  |           | FP - fail=0;pass=1 |  | Req Mon 30DA ARI |  |  |  |  | 4K - #/mo | 01/30 - Monthly | CA - CALCTD |
|       |                                                 |                    |   |    | 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: GREGWALLINGFORD

Name: Gregory Wallingford

E-Mail: gwallingford@tristategt.org

Date/Time: 2022-10-12 09:27 (Time Zone: -06:00)

**Report Last Signed By**

User: BARBARAWALZ1

Name: Barbara Walz

E-Mail: bwalz@tristategt.org

Date/Time: 2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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     |                       |             |
| 70295     | Solids, total dissolved | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |         |           | 01/90 - Quarterly     | GR - GRAB   |
|           |                         |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             |         | 19 - mg/L |                       |             |
|           |                         |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             |         |           |                       |             |
| 81020     | Sulfate                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |         |           | 01/90 - Quarterly     | GR - GRAB   |
|           |                         |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             |         | 19 - mg/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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:27 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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         |          |                       |             |
| 84165     | Discharge event observation [Visual Monitoring]   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |         |                    |                          |                  |             |                  |             |         |               |          | 01/30 - Monthly       | CA - CALCTD |
|           |                                                   |                     |          |             | Permit Req. |                     | Req Mon 30DA AVG |             |         | FP - fail=0;pass=1 |                          |                  |             | Req Mon MO TOTAL |             |         | 93 - occur/mo |          |                       |             |
|           |                                                   |                     |          |             | Value NODI  |                     | C - No Discharge |             |         |                    |                          |                  |             | C - No Discharge |             |         |               |          |                       |             |
| TAM3B     | LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |         |                    |                          |                  |             |                  |             |         |               |          | 01/90 - Quarterly     | GR - GRAB   |
|           |                                                   |                     |          |             | Permit Req. |                     |                  |             |         |                    | >=                       | 100.0 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. |                     |                  |             |         |                    | >=                       | 100.0 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:28 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (Time Zone: -06:00)

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Permit #:

CO0045161

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006  
External Outfall

Discharge:

006-A  
Rail Loop/Wilson Creek

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

10/28/22

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:

Sr. VP, Policy Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

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| 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. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             |                  | 7B - dS/m  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             |                  |            |          |                         |             |
| 00400     | pH                           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       | >=                       | 6.5 MINIMUM      |             |                  | <=          | 9.0 MAXIMUM      | 12 - SU    |          | 01/30 - Monthly         | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          | C - No Discharge |             |                  |             | C - No Discharge |            |          |                         |             |
| 00440     | Bicarbonate ion- [as HCO3]   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00530     | Solids, total suspended      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 01/30 - Monthly         | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  | <=          | 35.0 30DA AVG    | <=          | 70.0 DAILY MX    | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00918     | Calcium, total recoverable   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00921     | Magnesium, total recoverable | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00923     | Sodium, total recoverable    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L  |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00931     | Sodium adsorption ratio      | EG - Effluent Gross | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | CA - CALCTD |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 1U - Ratio |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |
| 00931     | Sodium adsorption ratio      | P - See Comments    | 0        | --          | Sample      |                     |         |             |         |       |                          |                  |             |                  |             |                  |            |          | 02/30 - Twice Per Month | CA - CALCTD |
|           |                              |                     |          |             | Permit Req. |                     |         |             |         |       |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 1U - Ratio |          |                         |             |
|           |                              |                     |          |             | Value NODI  |                     |         |             |         |       |                          |                  |             | C - No Discharge |             | C - No Discharge |            |          |                         |             |

|       |                                           |                    |   |    |                    |    |                  |  |                  |                    |  |  |  |    |                  |    |                  |           |  |                         |             |
|-------|-------------------------------------------|--------------------|---|----|--------------------|----|------------------|--|------------------|--------------------|--|--|--|----|------------------|----|------------------|-----------|--|-------------------------|-------------|
| 00978 | Arsenic, total recoverable                | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    |                  | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    |                  |           |  |                         |             |
| 00980 | Iron, total recoverable                   | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  | <= | 1000.0 30DA AVG  | <= | 6000.0 DAILY MX  | 19 - mg/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01303 | Zinc, potentially dissolved               | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01304 | Silver, potentially dissolved             | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01306 | Copper, potentially dissolved             | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01313 | Cadmium, potentially dissolvd             | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01314 | Chromium, trivalent, potentially dissolvd | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    |                  | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    |                  |           |  |                         |             |
| 01319 | Manganese, potentially dissolvd           | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 01323 | Selenium, potentially dissolvd            | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 03582 | Oil and grease                            | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    |                  | <= | 10.0 INST MAX    | 19 - mg/L |  | 77/77 - Contingent      | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    |                  |    | C - No Discharge |           |  |                         |             |
| 04262 | Chromium, trivalent total recoverable     | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    | Req Mon DAILY MX | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    | C - No Discharge |           |  |                         |             |
| 50050 | Flow, in conduit or thru treatment plant  | 1 - Effluent Gross | 0 | -- | Sample Permit Req. | <= | 0.32 30DA AVG    |  | Req Mon DAILY MX | 03 - MGD           |  |  |  |    |                  |    |                  |           |  | 01/30 - Monthly         | IN - INSTAN |
|       |                                           |                    |   |    | Value NODI         |    | C - No Discharge |  | C - No Discharge |                    |  |  |  |    |                  |    |                  |           |  |                         |             |
| 50286 | Mercury, total [low level]                | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  |                  |                    |  |  |  |    | Req Mon 30DA AVG |    |                  | 28 - ug/L |  | 02/30 - Twice Per Month | GR - GRAB   |
|       |                                           |                    |   |    | Value NODI         |    |                  |  |                  |                    |  |  |  |    | C - No Discharge |    |                  |           |  |                         |             |
| 84066 | Oil and grease visual                     | 1 - Effluent Gross | 0 | -- | Sample Permit Req. |    |                  |  | Req Mon INST MAX | AB - abst=0;prst=1 |  |  |  |    |                  |    |                  |           |  | 01/30 - Monthly         | VI - VISUAL |
|       |                                           |                    |   |    |                    |    |                  |  | C - No           |                    |  |  |  |    |                  |    |                  |           |  |                         |             |

|       |                                                 |                    |   |    |             |  |                  |  |           |                    |  |  |  |                  |  |           |  |                 |             |
|-------|-------------------------------------------------|--------------------|---|----|-------------|--|------------------|--|-----------|--------------------|--|--|--|------------------|--|-----------|--|-----------------|-------------|
|       |                                                 |                    |   |    | Value NODI  |  |                  |  | Discharge |                    |  |  |  |                  |  |           |  |                 |             |
| 84165 | Discharge event observation [Visual Monitoring] | 1 - Effluent Gross | 0 | -- | Sample      |  |                  |  |           |                    |  |  |  |                  |  |           |  |                 |             |
|       |                                                 |                    |   |    | Permit Req. |  | Req Mon 30DA AVG |  |           | FP - fail=0;pass=1 |  |  |  | Req Mon 30DA AVG |  | 4K - #/mo |  | 01/30 - Monthly | CA - CALCTD |
|       |                                                 |                    |   |    | 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: GREGWALLINGFORD

Name: Gregory Wallingford

E-Mail: gwallingford@tristategt.org

Date/Time: 2022-10-12 09:28 (Time Zone: -06:00)

**Report Last Signed By**

User: BARBARAWALZ1

Name: Barbara Walz

E-Mail: bwalz@tristategt.org

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CO0045161

Major:

No

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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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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     |                       |             |
| 70295     | Solids, total dissolved | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |         |           | 01/90 - Quarterly     | GR - GRAB   |
|           |                         |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             |         | 19 - mg/L |                       |             |
|           |                         |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             |         |           |                       |             |
| 81020     | Sulfate                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |         |           | 01/90 - Quarterly     | GR - GRAB   |
|           |                         |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             |         | 19 - mg/L |                       |             |
|           |                         |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             |         |           |                       |             |

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Comments

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Colowyo Coal Co LP

User:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:29 (Time Zone: -06:00)

Report Last Signed By

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COLOWYO MINE

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MOFFAT COUNTY, CO 81641

Permitted Feature:

006  
External Outfall

Discharge:

006-W  
Acute WET Testing for 006A

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

10/28/22

Status:

NetDMR Validated

Considerations for Form Completion

See I.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:

Sr. VP, Policy Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

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| 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         |          |                       |             |
| 84165     | Discharge event observation [Visual Monitoring]   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |         |                    |                          |                  |             |                  |             |         |               |          | 01/30 - Monthly       | CA - CALCTD |
|           |                                                   |                     |          |             | Permit Req. |                     | Req Mon 30DA AVG |             |         | FP - fail=0;pass=1 |                          |                  |             | Req Mon MO TOTAL |             |         | 93 - occur/mo |          |                       |             |
|           |                                                   |                     |          |             | Value NODI  |                     | C - No Discharge |             |         |                    |                          |                  |             | C - No Discharge |             |         |               |          |                       |             |
| TAM3B     | LC50 Static Renewal 48Hr Acute Ceriodaphnia dubia | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |         |                    |                          |                  |             |                  |             |         |               |          | 01/90 - Quarterly     | GR - GRAB   |
|           |                                                   |                     |          |             | Permit Req. |                     |                  |             |         |                    | >=                       | 100.0 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. |                     |                  |             |         |                    | >=                       | 100.0 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:29 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--





DocuSign Envelope ID: 47E5D82C-EC91-47AC-AB92-32E96BA913A9

|       |                       |                    |   |    |                                 |  |  |  |                     |                       |  |  |  |  |  |  |  |   |                 |             |
|-------|-----------------------|--------------------|---|----|---------------------------------|--|--|--|---------------------|-----------------------|--|--|--|--|--|--|--|---|-----------------|-------------|
| 04000 | Oil and grease visual | 1 - Effluent Gross | 0 | -- | Permit<br>Req.<br>Value<br>NODI |  |  |  | Req Mon INST<br>MAX | AB -<br>abst=0;prst=1 |  |  |  |  |  |  |  | 0 | 01/30 - Monthly | VI - VISUAL |
|       |                       |                    |   |    |                                 |  |  |  |                     |                       |  |  |  |  |  |  |  |   |                 |             |

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: GREGWALLINGFORD  
Name: Gregory Wallingford  
E-Mail: gwallingford@tristategt.org  
Date/Time: 2022-10-12 10:18 (Time Zone: -06:00)

Report Last Signed By

User: BARBARAWALZ1  
Name: Barbara Walz  
E-Mail: bwalz@tristategt.org  
Date/Time: 2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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    |                             |             |
| 70295     | Solids, total dissolved | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | =       | 3577.0          |         |             | 19 - mg/L | 0        | 03/90 - Three Every Quarter | GR - GRAB   |
|           |                         |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA GM |         |             | 19 - mg/L |          | 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:48 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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".

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

Sr. VP, Policy 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      |                     |         |             |         | =     | 62.2                     |         |             |         |             |         | 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      |                     |         |             |         | =     | 60.0                     |         |             |         |             |         | 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      |                     |         |             |         | >     | 100.0                    |         |             |         |             |         | 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      |                     |         |             |         | =     | 100.0                    |         |             |         |             |         | 2G - tox chronic | 0                     | 01/90 - Quarterly | G3 - GRAB-3 |
|           |                                                  |                     |          |             | Permit Req. |                     |         |             |         |       | Req Mon MN VALUE         |         |             |         |             |         | 2G - tox chronic |                       | 01/90 - Quarterly | G3 - GRAB-3 |
|           |                                                  |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             |         |             |         |                  |                       |                   |             |

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      |
|------------------------------------------------------------------|------|-----------|
| 221028_Colowyo_September_2022_DMR_Outfall_010X_Walz_to_CDPHE.pdf | pdf  | 2187390.0 |

Report Last Saved By

Colowyo Coal Co LP

User:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-17 12:30 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:30 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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-Q  
Quarterly Monitoring for 013A

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

10/28/22

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

Sr. VP, Policy 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 |             |                  |           |                       |             |
| 01074     | Nickel, 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 |           |                       |             |
| 01322     | Nickel, 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      |  |  |  |  |  |  |  |  |  |  | Req Mon 30DA AVG |  | Req Mon DAILY MX | 28 - ug/L |  | 01/90 - Quarterly | GR - GRAB |
|       |                                       |                    |   |    | Permit Req. |  |  |  |  |  |  |  |  |  |  |                  |  |                  |           |  |                   |           |
|       |                                       |                    |   |    | Value NODI  |  |  |  |  |  |  |  |  |  |  | C - No Discharge |  | C - No Discharge |           |  |                   |           |
| 04262 | Chromium, trivalent total recoverable | 1 - Effluent Gross | 0 | -- | Sample      |  |  |  |  |  |  |  |  |  |  | Req Mon 30DA AVG |  | Req Mon DAILY MX | 28 - ug/L |  | 01/90 - Quarterly | GR - GRAB |
|       |                                       |                    |   |    | Permit Req. |  |  |  |  |  |  |  |  |  |  |                  |  |                  |           |  |                   |           |
|       |                                       |                    |   |    | Value NODI  |  |  |  |  |  |  |  |  |  |  | C - No Discharge |  | C - No Discharge |           |  |                   |           |
| 11123 | Manganese, total recoverable          | 1 - Effluent Gross | 0 | -- | Sample      |  |  |  |  |  |  |  |  |  |  | Req Mon 30DA AVG |  |                  | 28 - ug/L |  | 01/90 - Quarterly | GR - GRAB |
|       |                                       |                    |   |    | Permit Req. |  |  |  |  |  |  |  |  |  |  |                  |  |                  |           |  |                   |           |
|       |                                       |                    |   |    | Value NODI  |  |  |  |  |  |  |  |  |  |  | C - No Discharge |  |                  |           |  |                   |           |
| 50286 | Mercury, total [low level]            | 1 - Effluent Gross | 0 | -- | Sample      |  |  |  |  |  |  |  |  |  |  | Req Mon 30DA AVG |  |                  | 28 - ug/L |  | 01/90 - Quarterly | GR - GRAB |
|       |                                       |                    |   |    | Permit Req. |  |  |  |  |  |  |  |  |  |  |                  |  |                  |           |  |                   |           |
|       |                                       |                    |   |    | 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:47 (Time Zone: -06:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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. | <=                  | 0.43 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:30 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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 |           |                       |             |

[illegible]

### 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:      | GREGWALLINGFORD                      |
| Name:      | Gregory Wallingford                  |
| E-Mail:    | gwallingford@tristategt.org          |
| Date/Time: | 2022-10-12 09:30 (Time Zone: -06:00) |

## Report Last Signed By

|            |                                      |
|------------|--------------------------------------|
| User:      | BARBARAWALZ1                         |
| Name:      | Barbara Walz                         |
| E-Mail:    | bwalz@tristategt.org                 |
| Date/Time: | 2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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. | <=                  | 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:33 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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:

GREGWALLINGFORD

|                              |                                      |
|------------------------------|--------------------------------------|
| Name:                        | Gregory Wallingford                  |
| E-Mail:                      | gwallingford@tristategt.org          |
| Date/Time:                   | 2022-10-12 09:34 (Time Zone: -06:00) |
| <b>Report Last Signed By</b> |                                      |
| User:                        | BARBARAWALZ1                         |
| Name:                        | Barbara Walz                         |
| E-Mail:                      | bwalz@tristategt.org                 |
| Date/Time:                   | 2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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. | <=                  | 0.63 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:36 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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:

GREGWALLINGFORD

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Name:                               | Gregory Wallingford                  |
| E-Mail:                             | gwallingford@tristategt.org          |
| Date/Time:                          | 2022-10-12 09:37 (Time Zone: -06:00) |
| <b><i>Report Last Signed By</i></b> |                                      |
| User:                               | BARBARAWALZ1                         |
| Name:                               | Barbara Walz                         |
| E-Mail:                             | bwalz@tristategt.org                 |
| Date/Time:                          | 2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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. | <=                  | 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:37 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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:

GREGWALLINGFORD

|                              |                                      |
|------------------------------|--------------------------------------|
| Name:                        | Gregory Wallingford                  |
| E-Mail:                      | gwallingford@tristategt.org          |
| Date/Time:                   | 2022-10-12 09:37 (Time Zone: -06:00) |
| <b>Report Last Signed By</b> |                                      |
| User:                        | BARBARAWALZ1                         |
| Name:                        | Barbara Walz                         |
| E-Mail:                      | bwalz@tristategt.org                 |
| Date/Time:                   | 2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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. | <=                  | 0.12 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:38 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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:

GREGWALLINGFORD

|                              |                                      |
|------------------------------|--------------------------------------|
| Name:                        | Gregory Wallingford                  |
| E-Mail:                      | gwallingford@tristategt.org          |
| Date/Time:                   | 2022-10-12 09:38 (Time Zone: -06:00) |
| <b>Report Last Signed By</b> |                                      |
| User:                        | BARBARAWALZ1                         |
| Name:                        | Barbara Walz                         |
| E-Mail:                      | bwalz@tristategt.org                 |
| Date/Time:                   | 2022-10-25 08:55 (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 09/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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. | <=                  | 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:

GREGWALLINGFORD

Name:

Gregory Wallingford

E-Mail:

gwallingford@tristategt.org

Date/Time:

2022-10-12 09:39 (Time Zone: -06:00)

Report Last Signed By

BARBARAWALZ1

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2022-10-25 08:55 (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 07/01/22 to 09/30/22

DMR Due Date:

10/28/22

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:

Sr. VP, Policy 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:

GREGWALLINGFORD



|                              |                                      |
|------------------------------|--------------------------------------|
| Name:                        | Gregory Wallingford                  |
| E-Mail:                      | gwallingford@tristategt.org          |
| Date/Time:                   | 2022-10-12 09:40 (Time Zone: -06:00) |
| <b>Report Last Signed By</b> |                                      |
| User:                        | BARBARAWALZ1                         |
| Name:                        | Barbara Walz                         |
| E-Mail:                      | bwalz@tristategt.org                 |
| Date/Time:                   | 2022-10-25 08:55 (Time Zone: -06:00) |



**TRI-STATE**

October 28, 2022

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  
DMR Submittal Comments Outfall 010X

Dear CDPHE Representative:

On September 1, 2022, Tri-State Generation and Transmission Association, Inc. (Tri-State) submitted the enclosed 14-day written notification to Jacob Dyste, WQCD Enforcement/Compliance Assurance regarding the Colowyo Mine (CDPS Permit CO-0045161) Outfall 010 3rd quarter 2022 chronic Whole Effluent Toxicity (WET) testing results. Tri-State is the parent of Colowyo Coal Company L.P.

The current permit (effective 7/1/2020) does not require automatic compliance responses (Part I.D.2.c.) until 10/1/2023 when the compliance schedule ends (based on ongoing studies to resolve the toxicity issue).

If you have any questions about these comments, please contact Greg Wallingford (303-254-3712 or [gwallingford@tristategt.org](mailto:gwallingford@tristategt.org)) or Andy Berger (303-254-3171 or [aberger@tristategt.org](mailto:aberger@tristategt.org)).

Sincerely,

DocuSigned by:  
A handwritten signature in black ink that reads "Barbara Walz".  
A5D5C24494CD4A7...

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

BAW:GW:der

Enclosures

cc: Greg Wallingford, via email  
Andy Berger, via email  
File: G471-11.3(10)a-9a

## Wallingford, Gregory

---

**From:** Jacob Dyste - CDPHE <jacob.dyste@state.co.us>  
**Sent:** Tuesday, September 6, 2022 1:51 PM  
**To:** Wallingford, Gregory  
**Cc:** Berger, Andy  
**Subject:** [EXTERNAL] Re: Colowyo CDPS Permit CO-0045161 WET Notification Q3 2022 for Outfall 010A

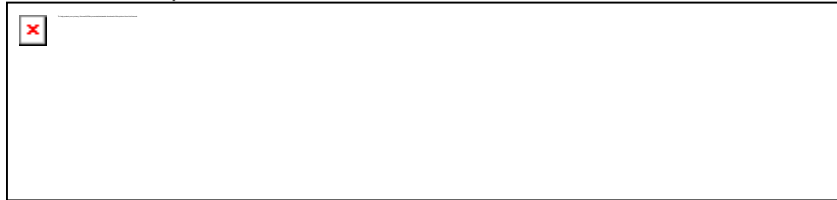
**CAUTION:** This email originated from outside of Tri-State. DO NOT click links or open attachments unless you recognize and/or trust the sender. Contact the IT Service Desk with questions or concerns.

Thank you Greg. We have updated our records with this information.

Jacob

--

Jacob Dyste  
Enforcement Specialist



Phone: 720.583.4562

[4300 Cherry Creek Drive South, Denver, CO 80246](#)

[jacob.dyste@state.co.us](mailto:jacob.dyste@state.co.us) | [www.colorado.gov/cdphe/wqcd](http://www.colorado.gov/cdphe/wqcd)

24-hr Environmental Release/Incident Report Line: 1.877.518.5608

On Thu, Sep 1, 2022 at 8:59 AM Wallingford, Gregory <[gwallingford@tristategt.org](mailto:gwallingford@tristategt.org)> wrote:

Hi Jacob,

Tri-State is completing the required notification (per Part I.D.1.b. of the CDPS Permit #CO-0045161) electronically through this email for a “Report-Only” period for the Colowyo Mine. This facility is operating under a compliance schedule for WET, so automatic compliance response requirements are not currently applicable.

The Colowyo Mine conducts chronic WET testing for Outfall 010A in accordance with CDPS Permit #CO-0045161, during a “Report-Only” compliance schedule. The lab report (received 8/31/2022) found that the NOEC/NOEL and IC25 for *Ceriodaphnia dubia* were both lower than the IWC (100%). Tri-State will submit the WET test results and Chains of Custody with the quarterly DMR.

Tri-State is continuing to work towards resolution of the chronic WET by the final compliance date of 10/1/2023.

Please let me know if you have any questions.

**Greg Wallingford**

Senior Engineer and ESG Analyst

**Tri-State Generation and Transmission Association, Inc.**

Mobile 303.489.4915

***Environmental Services Mission Statement***

*We help achieve Tri-State's mission by providing environmental compliance, policy analysis, and ESG services through communication, customer relationships, and environmental leadership.*

Client: Colowyo  
Site: 010A

CO-0045161

SCG Project No.: 422419.B  
Project: Quarterly WET

### WET TEST REPORT FORM – CHRONIC

Permittee: Colowyo Coal Company

Permit No.: CO-0045161

Outfall: 010A – IWC: 100%

Test Type: Routine ☒ Accelerated ☐ Screen ☐

Test Species: *Ceriodaphnia dubia*

| Test Start Time | Test Start Date | Test End Time | Test End Date |
|-----------------|-----------------|---------------|---------------|
| 1230            | 08-16-2022      | 1230          | 08-22-2022    |

| Test Results                               | Lethality/TCP3B | Reproduction/TKP3B |
|--------------------------------------------|-----------------|--------------------|
| S code: NOEL                               | 100%            | 60%                |
|                                            | <b>PASS</b>     | <b>FAIL</b>        |
| P code: LC <sub>25</sub> /IC <sub>25</sub> | 76.7%           | 62.2%              |
|                                            | <b>FAIL</b>     | <b>FAIL</b>        |
| T code:                                    | 100%            | 62.2%              |

#### Test Summary

| Measurements       | Control (0%) | 20%  | 40%  | 60%  | 80%  | 100% |
|--------------------|--------------|------|------|------|------|------|
| Exposed organisms  | 10           | 10   | 10   | 10   | 10   | 10   |
| Survival for day 1 | 10           | 10   | 10   | 10   | 10   | 10   |
| Survival for day 2 | 10           | 10   | 10   | 10   | 10   | 9    |
| Survival for day 3 | 10           | 10   | 10   | 10   | 10   | 9    |
| Survival for day 4 | 10           | 10   | 10   | 10   | 8    | 7    |
| Survival for day 5 | 10           | 10   | 10   | 10   | 7    | 5    |
| Survival for day 6 | 10           | 10   | 10   | 10   | 7    | 5    |
| Mean 3 Brood Total | 28.6         | 28.6 | 25.4 | 22.7 | 11.3 | 4.6  |

Hardness (mg/L) – Receiving Water: N/A Effluent: 768/616/790 Recon Water: 88  
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 1625/1230/1040 Recon Water: 57  
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.3/8.0 100%: 8.1/8.3  
Total Ammonia as NH<sub>3</sub> (mg/L) - Effluent: 0.38/0.36/0.40

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

If **NO**, list deviations from test specifications: N/A

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Julie McKenney, Lindsay Rutherford, Daniela Thornton, and Haley West

Signature

*Haley West*

Date August 31, 2022

Client: Colowyo  
Site: 010A

CO-0045161

SCG Project No.: 422419.B  
Project: Quarterly WET

### WET TEST REPORT FORM – CHRONIC

**Permittee:** Colowyo Coal Company  
**Permit No.:** CO-0045161  
**Outfall:** 010A – IWC: 100%  
**Test Type:** Routine ☒ Accelerated ☐ Screen ☐  
**Test Species:** fathead minnow

| Test Start Time | Test Start Date | Test End Time | Test End Date |
|-----------------|-----------------|---------------|---------------|
| 1430            | 08-16-2022      | 1330          | 08-23-2022    |

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

#### Test Summary

| Measurements       | Control (0%) | 20%   | 40%   | 60%   | 80%   | 100%  |
|--------------------|--------------|-------|-------|-------|-------|-------|
| Exposed organisms  | 40           | 40    | 40    | 40    | 40    | 40    |
| Survival for day 1 | 40           | 40    | 40    | 40    | 39    | 40    |
| Survival for day 2 | 40           | 40    | 40    | 40    | 38    | 40    |
| Survival for day 3 | 40           | 40    | 40    | 40    | 38    | 40    |
| Survival for day 4 | 40           | 40    | 39    | 40    | 38    | 40    |
| Survival for day 5 | 40           | 40    | 39    | 40    | 37    | 40    |
| Survival for day 6 | 40           | 40    | 39    | 40    | 37    | 40    |
| Survival for day 7 | 40           | 40    | 39    | 39    | 37    | 40    |
| Mean Dry Wt. (mg)  | 0.371        | 0.443 | 0.470 | 0.524 | 0.411 | 0.429 |

Hardness (mg/L) – Receiving Water: N/A Effluent: 768/616/790 Recon Water: 81  
Alkalinity (mg/L) – Receiving Water: N/A Effluent: 1625/1230/1040 Recon Water: 58  
Chlorine (mg/L) – Effluent: <0.01 pH (initial/final) – Control: 8.3/8.0 100%: 8.2/8.3  
Total Ammonia as NH<sub>3</sub> (mg/L) - Effluent: 0.38/0.36/0.40

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

If **NO**, list deviations from test specifications: N/A

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Shanna Wepman and Catherine McDonald

Signature

*Italy Went*

Date

*August 31, 2022*



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

[illegible]



(303) 661.9324 - FAX (303) 661.9325

[illegible]