



December 8, 2022

Mr. Zach Trujillo
Environmental Protection Specialist
Colorado Division of Reclamation, Mining & Safety
Department of Natural Resources
1313 Sherman Street, Room 215
Denver, CO 80203

**RE: Colowyo Coal Company L.P.
Permit No. C-1981-019
Technical Revision 157 (TR-157)
Reduction of Performance Bond**

Dear Mr. Trujillo,

Tri-State Generation and Transmission Association Inc. (Tri-State), is the parent company to Axial Basin Coal Company, which is the general partner to Colowyo Coal Company L.P. (Colowyo). Therefore, Tri-State on behalf of Colowyo is submitting technical revision 157 (TR-157) to Permit No. C-1981-019. In accordance with Rule 3.02.2(5), TR-157 proposes a reduction of the performance bond for Colowyo for several task included in Colowyo's reclamation cost estimate (RCE) as calculated by the Division.

The first task, Task 402, the Division has calculated costs associated with 14 manhole covers that were associated with the raw water pipeline for Collom. These 14 manhole covers were not constructed and are proposed to be removed from Exhibit 13C accordingly.

The second task(s), Tasks 430 and 436, are for the D-6 Ditch. The D-6 Ditch was determined not to be necessary and has been removed from the permit accordingly, except for Exhibit 13C, during previously approved technical revisions. Under TR-157, Exhibit 13C has been updated accordingly indicating the D-6 Ditch is no longer included in the RCE.

Lastly, the Division under TR-154 approved a revised mine plan and post-mine topography. Included in the approval was permanent out of pit spoil for the Collom Pit including the Little Collom Valley Fill which reduced the amount of temporary out of pit spoil necessary to backfill the Collom Pit. Proposed in TR-157, Colowyo has updated Exhibit 13C with the final temporary and permanent spoil configuration (Map 13C-2) and has reduced the temporary out of pit volume of material that is needed to backfill the Collom Pit from 26 million cubic yards to approximately 6.6 million cubic yards (Tables 13C-23, -24 in Exhibit 13C).


It is requested that the Division calculate the reduction of Colowyo's reclamation liability proposed under this technical revision and reduce the required reclamation bond required accordingly. Also included in this technical revision is a change of index sheet to ease incorporation of this revision into the permit document, and a public notice for the Division's review. If you should have any additional questions or concerns, please feel free to contact Tony Tennyson at (970) 824-1232 or at ttennyson@tristategt.org.



December 8, 2022

Page 2

Sincerely,

DocuSigned by:

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Chris Gilbreath
Senior Manager
Remediation and Reclamation

CG:TT:der

Enclosure

cc: Foster Beckett (BLM-LSFO)
Tony Tennyson (via email)
File: C. F. 1.1.2.143 - G471-11.3(21)d

CHANGE SHEET FOR PERMIT REVISIONS, TECHNICAL REVISION, AND MINOR REVISIONS

Mine Company Name: Colowyo Coal Company L.P.

Permit Number: **C-1981-019**

Date: **December 8, 2022**

Revision Description: **TR-157 Collom Temporaroy Spoil Pile
and Surety Reduction**

Volume Number	Page, Map or other Permit Entry to be REMOVED	Page, Map or other Permit Entry to be ADDED	Description of Change
1			No Change
2A			No Change
2B			No Change
2C			No Change
2D			No Change
2E			No Change
3			No Change
4			No Change
5A			No Change
5B			No Change
6			No Change
7			No Change
8			No Change
9			No Change
10			No Change
12			No Change
13			No Change
14			No Change
15			No Change
16			No Change
17			No Change
18A			No Change
18B			No Change
18C			No Change
18D			No Change
19			No Change

CHANGE SHEET FOR PERMIT REVISIONS, TECHNICAL REVISION, AND MINOR REVISIONS

Mine Company Name: Colowyo Coal Company L.P.

Permit Number: **C-1981-019**

Date: **December 8, 2022**

Revision Description: **TR-157 Collom Temporary Spoil Pile
and Surety Reduction**

Volume Number	Page, Map or other Permit Entry to be REMOVED	Page, Map or other Permit Entry to be ADDED	Description of Change
20	Exhibit 13C, page 3 (1 page)	Exhibit 13C, page 3 (1 page)	Exhibit 13C Table of Contents has been updated.
20	Exhibit 13C, page 11 (1 page)	Exhibit 13C, page 11 (1 page)	D-6 Ditch has been removed from Table 13C-15.
20	Exhibit 13C, page 13 (1 page)	Exhibit 13C, page 13 (1 page)	Manhole covers have been removed from Table 13C-18.
20	Exhibit 13C, pages 16 and 17 (2 pages)	Exhibit 13C, pages 16 and 17 (2 pages)	Tables 13C-23, -24, and introductory narrative have been revised.
20		Map 13C-2	Map 13C-2 has been inserted into the permit.
21			No Change
22			No Change

Collom Pit and Temporary Spoil Pile.....	16
Table 13C-23 Collom Pit Backfill	16
Table 13C-24 Temporary Spoil Pile Removal.....	16
Table 13C-25 Collom Pit and Temporary Spoil Pile Topsoil.....	16
Table 13C-26 Collom Pit and Temporary Spoil Pile Revegetation	17
Table 13C-27 Topsoil Stockpile Revegetation	17
Table 13C-28 Collom In-Pit Drill Holes.....	17
Table 13C-29 Collom Pit Power Distribution.....	17
Table 13C-30 Clean Water Diversions	17

List of Maps

Map 13C-1 Sheet 1 Cumulative Bond Areas
Map 13C-1 Sheet 2 Cumulative Bond Areas
Map 13C-2 Cumulative Bond Temporary Spoil Pile Area

Table 13C-14 Topsoil Volumes for Sediment Ponds

Please see Tables 13C-5 and 13C-9.

Table 13C-15 Perimeter Ditch Regrade and Topsoil Requirements*

Ditch Name	Station	Avg. Grade (%)	Regrade Volume (Cubic Yards)	Topsoil Volume (Cubic Yards)
D-1 Ditch	0+00 to 6+23	0	2,462	602
D-2 Ditch	0+00 to 25+00	0	7,960	2,772
D-3 Ditch	0+00 to 16+30	0	3,814	434
D-4 Ditch	0+00 to 11+65	0	2,726	311
D-5 Ditch	0+00 to 64+77	0	6,717	1,727

Pump House Building and Raw Water Pipeline

Tables 13C-18 through 13C- 20 provides items necessary to demolish the pump house building and revegetate the raw water line installation.

Table 13C-18 Raw Water Pump Building Requirements

20'x32'x14' Steel Building	Precast Concrete Vault (6'x18'x8')
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Table 13C-19 Topsoil Requirements for Raw Water Pipeline*

Item Name	Topsoil Volume (cubic yards)
Raw Water Line	28,657

*Topsoil will be windrowed directly adjacent to disturbance area. This volume includes where the raw water line crosses Taylor Creek.

Table 13C-20 Revegetation Requirements for Raw Water Pipeline*

Item Name	Acres to be Disturbed	Acres to be Reseeded
Raw Water Line	36.37	36.37

*These acres include where the raw water line crosses Taylor Creek.

Collom Pit and Temporary Spoil Pile

Tables 13C-23 through 13C- 27 provide the volumes of overburden, topsoil, and reseeding acreage necessary to reclaim the Collom Pit and out of pit stockpile area. There is temporary and permanent out of pit spoil (including the Little Collom Valley Fill) associated with the Collom Pit. Tables 13C-23 and 24 reflect the total amount of overburden necessary to backfill and regrade the Collom Pit to achieve the final approved post mine topography for the Collom Pit, and they do not include the permanent out of pit spoil. Please refer to Map 13C-2 for the final Collom Pit box cut and temporary out of pit stockpile configurations which reflect the locations associated with the volumes presented in Tables 13C-23 and 24.

Table 13C-23 Collom Pit Backfill*

Area	Cut (Cubic Yards)
Collom Pit	6,608,464

*Please see to Map 13C-2

Table 13C-24 Temporary Spoil Pile Removal

Area	Total (Cubic Yards)	Haul Distance (feet)	Average Grade (%)
Temporary Spoil Pile	6,608,464	4,244	3.8

Table 13C-25 Collom Pit and Temporary Spoil Pile Topsoil

Area	Acres Disturbed	Topsoil Replacement Volume (Cubic Yards)	Haul Distance (feet)	Average Grade (%)
Collom Pit & Temporary Spoil Pile	684.4	1,412,134	5,144	3

Table 13C-26 Collom Pit and Temporary Spoil Pile Revegetation

Area	Acres to be Reseeded
Collom Pit & Temporary Spoil Pile	857.9

Table 13C-27 Topsoil Stockpile Revegetation

Topsoil Stockpile Number	Acres to be Reseeded
25A	50.9
26B	2.2
26A	24.2
36A	4.1

Table 13C-28 Collom In-Pit Drill Holes

Drill Hole Number	Plugging Requirements
Please see Exhibit 27, Item 3	

Table 13C-29 Collom Pit Power Distribution

Task	
Remove Power Lines	16,897 Feet
Topsoil Replacement	25,000 Cubic Yards
Reseed Disturbance	10.7 Acres

Table 13C-30 Clean Water Diversions

Clean Water Diversion	Overburden Replacement (cubic yards)	Topsoil Replacement (cubic yards)	Acres to be Reseeded
CWD-1	5,923	4,998	4.3