



**TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.**

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

February 19, 2020

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  
Minor Revision No. 215  
Cumulative Bond Schedule Update**

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 minor revision 215 (MR-215) to Permit No. C-1981-019. MR-215 updates the cumulative bond schedule (Exhibit 13C), with planned topsoil removal areas in support of ongoing mining operations at the Collom Pit.

Also included in this minor revision are a revision application and a change of index sheet to ease incorporation of this revision into the permit document. If you should have any additional questions or concerns please feel free to contact Tony Tennyson at (970) 824-1232 at your convenience.

Sincerely,

Daniel J. Casiraro  
Senior Manager  
Environmental Services

DJC:TT:der

Enclosure

cc: Jennifer Maiolo (BLM-LSFO)  
Chris Gilbreath (via email)  
Tony Tennyson (via email)  
Angela Aalbers (via email)  
File: C. F. 1.1.1.198 - G471-11.3(21)d





## COLORADO DIVISION OF MINERALS AND GEOLOGY

1313 Sherman Street, Room 215, Denver, Colorado 80203, (303) 866-3567

### APPLICATION FORM FOR A REVISION TO A COAL MINING AND RECLAMATION PERMIT

This form must be completed and submitted with all requests for minor revisions, as defined in Rule 1.04(73), technical revisions, as defined in Rule 1.04(136), and permit revisions, as defined in Rule 1.04(90). All revisions are to address the requirements of Rule 2.08.4. Three (3) copies of the revision, including maps, must be submitted in order for it to be complete.

All revisions are to be formatted so they can be inserted into the permit to replace the revised sections, maps, tables and/or figures, with a revised table of contents, if necessary. The revision submittal date should be printed in the lower right corner of each revision page. A cover letter to the revision should explain the nature of the revision and reference the specific permit sections being revised.

For federal mines, a copy of the revision application must be submitted to all agencies on the federal mailing list (except OSM) at the same time the application is submitted to the Division, and proof of distribution must be submitted to the Division along with the application. Copies of revision pages modified during the review process must be distributed in the same manner, along with proof of distribution. Proof of distribution must be submitted prior to implementation of the revision.

**Permit No.:** C - \_\_\_\_\_ - \_\_\_\_\_ **Date:** \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**Permittee:** \_\_\_\_\_  
\_\_\_\_\_

**Street:** \_\_\_\_\_  
\_\_\_\_\_

**City:** \_\_\_\_\_

**State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_ - \_\_\_\_\_

**Brief Description of Revision:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Public Notice Attached:** Yes \_\_\_ No \_\_\_ *(Required for PRs and TRs)*

**Bond Increase:** Yes \_\_\_ No \_\_\_ **Federal** \_\_\_ **Non-Federal** \_\_\_ **Mine**

#### Proposed Change in:

##### Permit Area -

**Disturbed** (+/-) \_\_\_ . \_\_\_ Acres

**Permit** (+/-) \_\_\_ . \_\_\_ Acres

**Affected** (+/-) \_\_\_ . \_\_\_ Acres

##### Surface Ownership -

**Private Land** (+/-) \_\_\_ . \_\_\_ Acres

**Federal Land** (+/-) \_\_\_ . \_\_\_ Acres

**State Land** (+/-) \_\_\_ . \_\_\_ Acres

##### Mineral Ownership -

**Mineral Private** (+/-) \_\_\_ . \_\_\_ Acres

**Mineral Federal** (+/-) \_\_\_ . \_\_\_ Acres

**Mineral State** (+/-) \_\_\_ . \_\_\_ Acres

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

Mine Company Name: Colowyo Coal Company

Date: **February 19, 2020**

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

Revision Description: **MR-215 Cumulative Bond  
Schedule - Collom Topsoil**

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

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

Date: **February 19, 2020**

Revision Description: **MR-215 Cumulative Bond  
Schedule - Collom Topsoil**

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 Pages 16 and 17 (2 pages)	Exhibit 13C Pages 16 and 17 (2 pages)	Exhibit 13C has been updated.
20	Map 13C-1 Sheet 1	Map 13C-1 Sheet 1	Map 13C-1 Sheet 1 has been updated.
21			No Change
22	Map 28C Sheet 1	Ma 28C Sheet 1	Ma 28C Sheet 1 has been updated.

**Collom Pit and Temporary Spoil Pile**

Tables 13C-23 through 13C- 27 provides the volumes necessary to backfill, regrade and reclaim the Collom box cut and temporary spoil pile through the end of year 2020.

**Table 13C-23 Collom Pit Backfill**

<b>Area</b>	<b>Cut (Cubic Yards)</b>
<b>Collom Pit</b>	13,500,000

**Table 13C-24 Temporary Spoil Pile Removal**

<b>Area</b>	<b>Total (Cubic Yards)</b>	<b>Haul Distance (feet)</b>	<b>Average Grade (%)</b>
<b>Temporary Spoil Pile</b>	13,500,000	3,940	3

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

<b>Area</b>	<b>Acres Disturbed</b>	<b>Topsoil Replacement Volume (Cubic Yards)</b>	<b>Haul Distance (feet)</b>	<b>Average Grade (%)</b>
<b>Collom Pit &amp; Temporary Spoil Pile</b>	480.5	824,231	5,144	3

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

<b>Area</b>	<b>Acres to be Reseeded</b>
<b>Collom Pit &amp; Temporary Spoil Pile</b>	560.6

**Table 13C-27 Topsoil Stockpile Revegetation**

<b>Topsoil Stockpile Number</b>	<b>Acres to be Reseeded</b>
<b>26B</b>	2.2
<b>26A</b>	24.2
<b>36A</b>	4.1

**Table 13C-28 Collom In-Pit Drill Holes**

<b>Drill Hole Number</b>	<b>Plugging Requirements</b>
<b>C-18-01 through C-18-27</b>	Please see Exhibit 27, Item 3

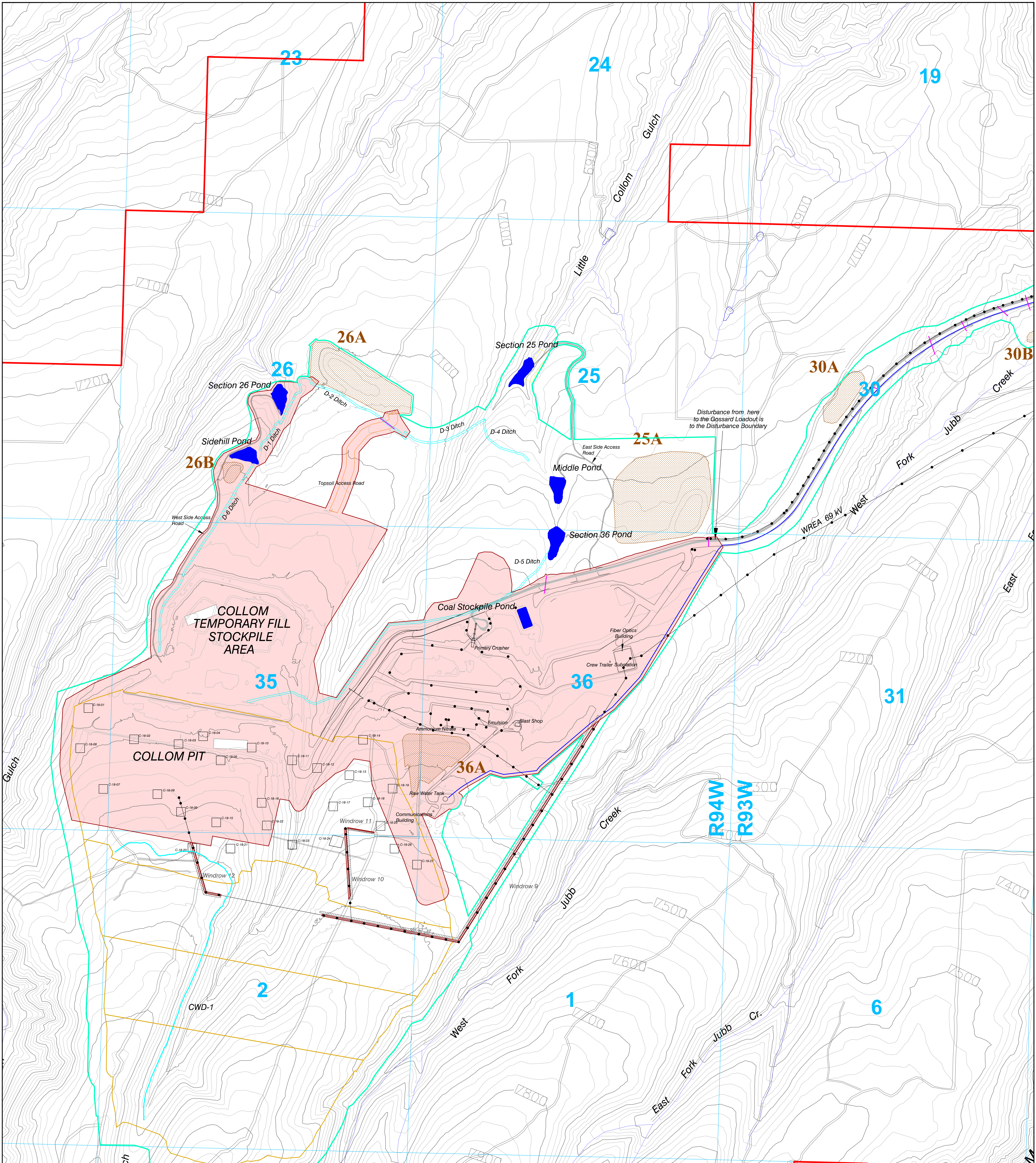
**Table 13C-29 Collom Pit Power Distribution**

<b>Task</b>	
<b>Remove Power Lines</b>	16,897 Feet
<b>Topsoil Replacement</b>	25,000 Cubic Yards
<b>Reseed Disturbance</b>	7.6 Acres

**Table 13C-30 Clean Water Diversions**

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





**LEGEND**

Permit Boundary	Access Roads
Section Line	Mine Plan Blocks (Map 23B)
Permitted Disturbance Boundary	Culverts
Exhibit 13C Disturbance Boundary	Topsoil Stockpiles
Roads	Sediment Ponds
Power Line	C-18-XX Drill Pad Locations
Buildings	Light Pole
ColloM Haul Road (Paved Section)	
Raw Water Line	
Primary Sediment Control Ditches or Clean Water Diversion	

**NOTES:** Please see Exhibit 13C - Cumulative Bond Schedule  
Light Use Road Locations for the ColloM Pit power distribution will be field fit for proper alignment and to allow trucks hauling power poles a turning radius, so they will vary from disturbance boundary shown.

**ENGINEERS CERTIFICATION**  
I, BRIAN W. COATES, hereby certify that this map has been reviewed by me and is true and correct to the best of my knowledge and information, relying on information supplied by experts employed by Colowyo Coal Company or qualified consultants working for Colowyo Coal Company, and that I am a Professional Engineer licensed in Colorado as required by the provisions of C.R.S. 12-25-119. IN WITNESS WHEREOF, I have hereunder set my hand and affixed my seal.

**55154**  
2/18/20

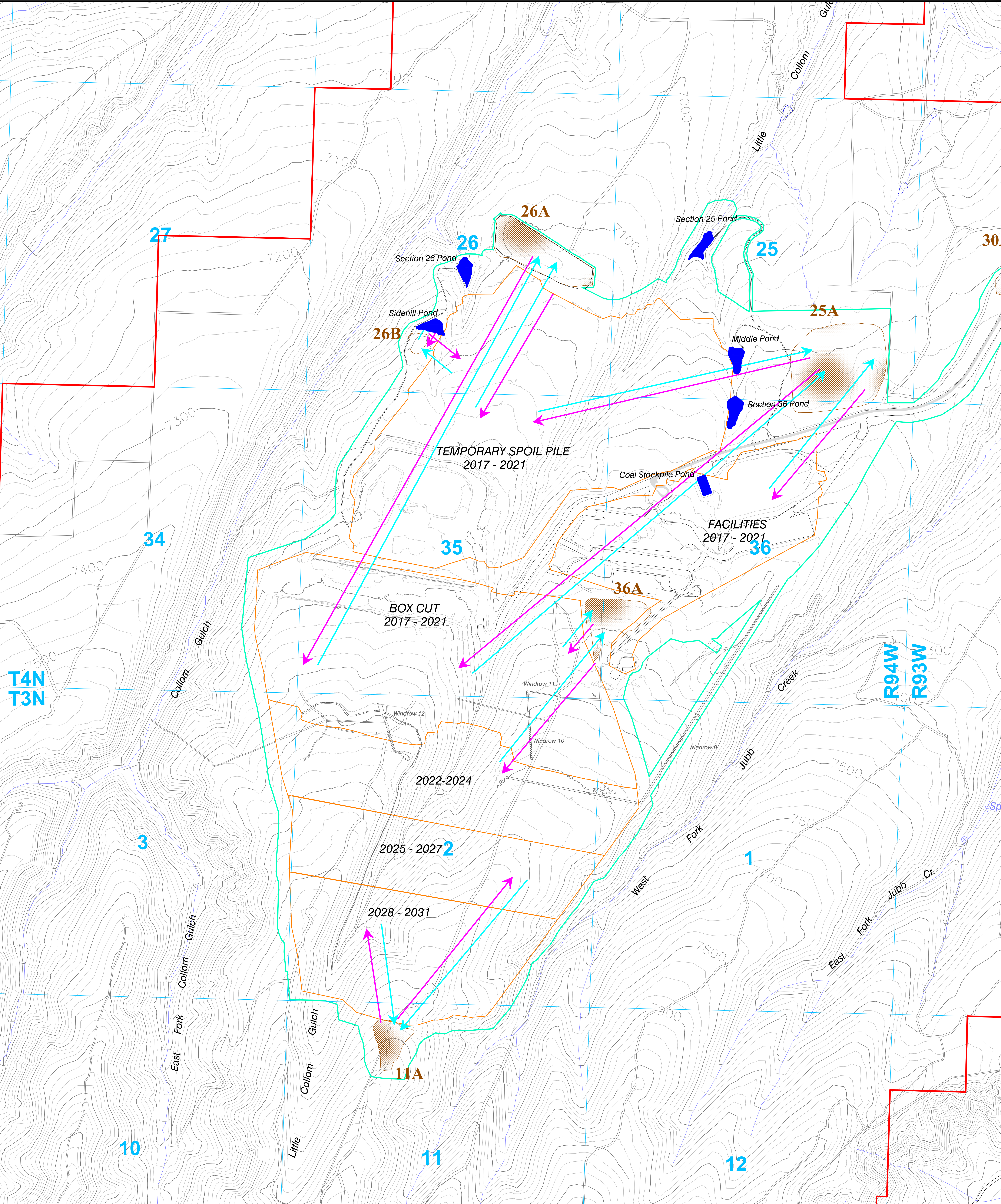
**CUMULATIVE BOND AREAS**

SCALE: 1" = 500'  
DATE: 3/19/18  
DRAWN BY: JQNY  
APPROVED BY:  
DRWG NO:

**MAP 13C-1 Sheet 1**

No.	REVISION	DATE	BY	CHK
TR-121	Added MR-188 Boundary, Updated Topography	8/7/18	Tony	AA
MR-202	Added CWD-1, updated topography	5/13/19	Tony	AA
MR-205	Revised Disturbance Boundary Temp Spoil Pile Removed Access Roads	6/26/19	Tony	AA
MR-212	Added Crew Trailer	11/20/19	Tony	AA
MR-215	Updated Topography, Topsoil Removal Boundary, and Added Topsoil Pile 36A	2/18/20	Tony	AA





**LEGEND**

- Permit Boundary
- Township, Range, and Section
- Disturbance Boundary
- Topsoil Removal Areas (By Year)
- Topsoil Removal to Stockpile
- Topsoil Replacement from Stockpile
- Roads
- Topsoil Windrow Locations
- Topsoil Stockpile Locations

**ENGINEERS CERTIFICATION**

I, BRIAN W. COATES, hereby certify that this map has been reviewed by me and is true and correct to the best of my knowledge and information, relying on information supplied by experts employed by Colowyo Coal Company or qualified consultants working for Colowyo Coal Company, and that I am a Professional Engineer licensed in Colorado as required by the provisions of C.R.S. 12-25-101 through C.R.S. 12-25-119. IN WITNESS WHEREOF, I have hereunder set my hand and affixed my seal.

**TOPSOIL HANDLING**  
Collom Area

**COLOWYO COAL COMPANY**  
REGISTERED PROFESSIONAL ENGINEER  
No. 155154  
2/18/20

No.	REVISION	DATE	BY	CHK
TR-118	Added Piles 26A, 26B, 36A, Revised Disturbance Boundary General Edits	1/19/18	TOWNY	AA
TR-121	Added Windrows 9-13, Revised Disturbance Boundary	6/19/18	TOWNY	AA
MR-215	Updated Topography, Updated Topsoil Movement	2/18/20	TOWNY	AA