



January 4, 2022

Mrs. Janet Binns  
Environmental Protection Specialist  
Colorado Division of Reclamation, Mining and Safety  
1313 Sherman Street, Room 215  
Denver, CO 80203

**RE: New Horizon Mine (Permit No. C-1981-008)  
Minor Revision No. 121 (MR-121)  
Mooring Post Installation Disturbance**

Dear Mrs. Binns:

Tri-State Generation and Transmission Association Inc. (Tri-State), is the parent company to Elk Ridge Mining and Reclamation, LCC (ERMR), New Horizon Mine. Therefore, Tri-State on behalf of ERMR is submitting MR-121 to Permit No. C-1981-008.

MR-121 proposes 0.5 acres of additional ground disturbance on the south and southwest side of Pond 013 to safely support installation of three mooring posts. The mooring posts are required to be constructed as part of the baffle curtains that will be installed into Pond 013. To ensure the safety of personnel working on a slope and near a water body, some ground disturbance is required to install the mooring posts. Topsoil will be removed and windrowed above the ground disturbance when equipment accesses the area proposed to be disturbed. It is requested that the Division calculate the increase in reclamation liability for the New Horizon Mine with this additional 0.5 acres of ground disturbance.

Additionally, the area proposed to be disturbed to access and install the mooring posts, the soils are mapped as 98B (please refer to Map 2.04.9-1 and Section 2.04.9) which are Valley City – Rock Outcrop Complex soils that occur on steeper side slopes. This distinction is being conveyed to the Division, as the directly adjacent soils that were disturbed for Pond 013 are mapped as 98A which are prime farmland soils. The proposed disturbance associated with the access and installation of the mooring posts will not impact any prime farmland soils.

If you have any questions about the enclosed minor revision, please contact Tony Tennyson at (970) 326-3560 or [ttennyson@tristategt.org](mailto:ttennyson@tristategt.org).

Sincerely,

DocuSigned by:  
A handwritten signature in blue ink that reads "Chris Gilbreath".  
D250C711D0BF450...

Chris Gilbreath  
Senior Manager,  
Remediation and Reclamation



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Enclosures

cc: Tony Tennyson (via email)  
File: G474-11.3(21)b-5

**CHANGE SHEET FOR PERMIT REVISIONS, TECHNICAL REVISION, AND MINOR REVISIONS**Mine Company Name: **New Horizon Mine**Date: **December 30, 2021**Permit Number: **C-1981-008**Revision Description: **MR-121 Mooring Post  
Installation Disturbance**

Volume Number	Page, Map or other Permit Entry to be	Page, Map or other Permit Entry to be	Description of Change
	REMOVED	ADDED	
1			No changes
2			No changes
3			No changes
4			No changes
5			No changes
6			No changes
7			No changes
8	Map 2.05.4-1	Map 2.05.4-1	Map 2.05.4-1 has been updated.
8	Section 2.05.4(2)(d) Page 8 (1 page)	Section 2.05.4(2)(d) Page 8 (1 page)	Table 2.05.4(2)(d)-1 has been updated.
8	Map 2.05.4-4	Map 2.05.4-4	Map 2.05.4-4 has been updated.
8	Map 2.05.4-5	Map 2.05.4-5	Map 2.05.4-5 has been updated.
9			No changes
10			No changes

Establishing vegetative cover will aid in overall stabilization and erosion control of stockpiles. Vegetative cover will aid in reducing runoff and raindrop impact and will increase moisture infiltration by maintaining the upper soil surfaces in a friable, non-crust condition. Organic matter, soil nitrogen, and microorganism activity will be maintained or enhanced by the seeding of deep rooted species or species with fibrous root systems.

The topsoil storage breakdown can be seen in Table 2.05.4(2)(d)-2 below. The topsoil stockpile locations are shown on Map 2.05.4-4.

**Table 2.05.4(2)(d)-2 Topsoil Stockpile Inventory<sup>1</sup>**

<b>Topsoil Pile Name<sup>2</sup></b>	<b>Type of Topsoil</b>	<b>Volume (CY)</b>
<b>C</b>	Lift B Topsoil	3,705
<b>D</b>	Mixed Topsoil	3,242
<b>H</b>	Lift A Topsoil	2,363
<b>12</b>	Mixed Topsoil	169,570
<b>13</b>	Lift A	1,900
<b>4</b>	Prime Farmland Topsoil	13,266
<b>5</b>	Lift A	403
<b>Sub Total</b>		194,449
<b>11A</b>	Lift A Topsoil (Morgan)	5,550
<b>11B</b>	Lift B Topsoil (Morgan)	4,070
<b>Sub Total</b>		9,620
<b>GRAND TOTAL</b>		203,666

<sup>1</sup> The topsoil inventory above is a moment in time. This inventory is updated annually in the annual reclamation report.

<sup>2</sup> Please see Map 2.05.4-4 for topsoil stockpile locations.

### *Topsoil Storage Prime Farmland*

An area near Pond 013 in the northwest corner of the ERMJ-Johnson property was determined to be Prime Farmland. The construction of the Pond 013 led to the disturbance of this area. The disturbance is a mix of Pond 013 itself, the prime farmland soil stockpile, and related disturbance. The prime farmland soils that were removed are now in Stockpile 4 near Pond 013. This stockpile can be seen on Map 2.05.4-4 with the corresponding volume of material provided on Table 2.05.4(2)(d)-2.