

January 17, 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 North Mine Permit No. C-2010-089 2021 Annual Reclamation Report

Dear Mrs. Binns,

Tri-State Generation and Transmission Association, Inc. (Tri-State), is the parent company to Elk Ridge Mining and Reclamation, LLC New Horizon North Mine. The New Horizon North Mine operates under the Colorado Division of Reclamation, Mining, and Safety Permit No. C-2010-089.

In accordance with Rule 2.04.13(1), by February 15, or other such date as agreed on, each permittee shall file an annual reclamation report covering the previous calendar years for all areas under bond. New Horizon North Mine by permit is required to submit the report annually by March 15. Therefore, enclosed please find the Annual Reclamation Report for the calendar year 2021 as required.

If you should have any additional questions or concerns, please feel free to contact Tony Tennyson at (970) 326-3560 at your convenience.

Sincerely,

—DocuSigned by:

Clinis Gilbreath

Chris Gilbreath Senior Manager Remediation and Reclamation

CG:TT:dbr

Enclosure

Cc: Tony Tennyson (via email)

C.F. 11.1 - G474-11.3(21)c-9

Elk Ridge Mining & Reclamation, LLC PERMIT C-2010-089

NEW HORIZON NORTH MINE

2021 ANNUAL RECLAMATION REPORT JANUARY 1, 2021 to DECEMBER 31, 2021

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A. Rule Requirements

Rule 2.04.13(1)(a-f) states, by February 15, or such date agreed on, each permitted shall file an annual reclamation report covering the previous calendar year for all areas under bond. The report shall include, but are not limited to, text, discussion and maps which address:

- the name and address of the permittee and permit number
- location and number of acres disturbed during that year
- location and number of acres backfilled and graded during that year
- location and number of acres topsoiled during that year
- the species, location and number of acres of vegetation planted during that year, including any augmented seeding or cultural practices
- location, number of acres and date of planting for all previously revegetated areas

Per Section 2.04.13 of Permit No. C-2010-089 the New Horizon North Mine submits the annual reclamation report annually by March 15. Additional requirements for contents of this annual reclamation report can be found in Section 2.05.4(2)(d), Section 2.05.4(2)(e), and Section 2.05.6(2).

B. Permittee

Elk Ridge Mining and Reclamation, LLC New Horizon North Mine Permit No. C-2010-089 PO Box 628 Nucla, CO 81424

C. Disturbed Areas

During 2021, 0.0 acres of new disturbance occurred at the New Horizon North Mine.

At the end of 2021, the total disturbance was 157.1 acres. Of this, 42.9 acres are in long-term mining, reclamation, or facilities. All of the active mining areas have been backfilled, graded, and topsoiled. Therefore, there are no active mining areas exist at the New Horizon North Mine.

D. Backfill and Grading

During 2021, 0.0 acres were backfilled and graded.

E. Reclamation Activities

1. Spoil Quality

The spoil sampling and analysis program for the New Horizon North Mine is described in Section 2.05.4(2)(d), Table 2.05.4(2)(d)-1 of the approved permit. All areas for spoil quality (Bench 1) have been sampled for the entire mine site. Please see previous annual reclamation reports for the results of the analyses.

2. Topsoil

During 2021, 0.0 acres were topsoiled. Table 1 provides the overall stockpile volumes for the mine.

3. Seeding

The New Horizon North Mine permanently seeded 0.0 acres in 2021. Please see Table 2 for specific details on each reclamation unit, and Map 1 for the reclamation areas seeded to date.

4. Soil Fertility Testing and Fertilizer Application

The landowner conducted soil testing in 2021. The results of the test are presented in Attachment 1.

Fertilizer was applied to reclamation unit IP-1. Fertilizer and rates that were applied in 2021 are as follows:

IP	-1				
Fertilizer	Pounds/Acre				
<u>r er emzer</u>	Applied				
Monoammonium	76				
Phosphate	/0				

5. Irrigation

The CC Ditch Company commenced water deliveries on April 17, 2021, and New Horizon North Mine began irrigation operations shortly thereafter. The CC Ditch Company discontinued water delivery for the year on October 9, 2021.

During June of 2021 water deliveries were stopped due to a failure on the High Line Canal which provides water to the New Horizon North Mine irrigation system through the 2nd Park Lateral. It took approximately a month to repair the High Line Canal failure, and once it was repaired water deliveries recommenced. The loss of water during June did not impact irrigated pastures reclamation areas at New Horizon North Mine.

6. Irrigated Pasture Yields

In 2021, the first cutting from reclamation unit NHN-04 yielded 176.8 tons, the second cutting produced 186 tons, and the third cutting produced 144.8 tons.

F. Wildlife Monitoring and Mitigation

No wildlife monitoring nor mitigation occurred in 2021.

G. Interim Revegetation Report

Interim vegetation monitoring did not occur at the New Horizon North Mine in 2021. Future Interim Vegetation Reports will be included as an attachment.

H. Weed Management

During 2021, various areas within the permit boundary were treated for noxious weeds by spot spraying and/or hand removal. The actual treatment sites were generally small and random and thus too small to accurately depict on a map.

Target species for noxious weeds included Knapweed(s), Thistle(s), White Top, Russianolive, saltceder/tamarisk, burdock, mullein, halogeton, purple loosestrife, and Western whorled milkweed. Other target species are included in the Montrose County (2010) and San Miguel County (2002) Noxious Weed lists.

Table 1 – Stockpile Volumes at the End of Report Year

Stockpile Type	Volume (Cubic
	Yards)
Topsoil Pile 1 - Mixed	33,720
Topsoil Pile 2 - Mixed	32,290
Topsoil Pile 3 - Progresso	16,580

Table 2 – New Horizon North Reclamation Table

	Reclamati	on Period		Statu	ıe		
Area	Year	Acreage		Bond Release			
			Years	Phase 1	Phase 2	Phase 3	Notes:
NHN-01	2017	3.7	4	2017			3.7 acres planted to Dryland Pasture
NHN-02	2017	2.7	4	2017			2.7 Acres planted to Dryland Pasture
NHN-03	2018	20.6	3	2017			20.6 Acres planted to Dryland Pasture
NHN-04	2019	88.3	2	2017			88.3 Acres planted to Irrigated Pasture
NHN-05	2019	4.9	2	2017			7.3 Acres planted to Dryland Pasture
NHN-06	2020	0.6	1				0.6 Acres planted to Dryland Pasture
Total		120.8					

Figure 1 - CDRMS Annual Reclamation Report Form

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year - 2021

Elk Ridge Mining & Reclamation,

New Horizon North Mine C-2010-089

Mine Name Permit Number Permittee

P.O Box 628 - 27646 W. 5th Street Nucla, CO 81424

Address

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly identified on a map included with the report.

I 1 C-4	Last Year's Cumulative Total	This Cale	endar Year		Commission Tetal
Land Category	(from last year's ARR) Acres Added (+) Acres Subtracted (-)			Cumulative Total	
Acreage in Active Mining Areas ¹	0	0	0	=	0
					-

Land Catagory	Last Year's Cumulative Total	This Cale	endar Year		Cumulative Total
Land Category	(from last year's ARR)	Acres Added (+)	s Added (+) Acres Subtracted (-)		Cumulative Total
Acres Disturbed ²	157.1	0	0	=	157.1
Acres Backfilled and Graded	83.0	0	0	Ш	83.0
Acres Topsoiled	120.8	0	0	=	120.8

Acreage in Long-term	Last Year's Cumulative	This Cal	endar Year		C 1. T . 1	
Facilities ³	Total (from last year's ARR)	Acres Added (+)	Acres Subtracted (-)		Cumulative Total	
Non-Permanent Facilities	42.9	0	0	II	42.9	
Permanent Facilities (permitted)	0	0	0	II	0	
Totals	42.9			=	42.9	

Acres Seeded	Last Year's Cumulative Total	This Cale	endar Year		Cumulative Total
(permanent)	(from last year's ARR)	Acres Added (+)	res Added (+) Acres Subtracted (-)		Cumulative Total
9 Years and Less	120.8	0	0	=	120.8
10 Years and Greater	0	0	0	=	0
Totals	120.8			- 1	120.8

	Last Year's Cumulative Total	This Cal	endar Year		
Bond Release	(from last year's ARR)	Acres Added (+)	Acres Subtracted (-)		Cumulative Total
Phase I Released	0	120.2	0	=	120.2
Phase II Released	0	0	0	=	0

New Horizon North Mine

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¹Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

²Surface Mine Acres Disturbed = B&G + Long-Term Facilities + Active Mining Areas; Underground Mine Acres Disturbed = B&G + Long-Term Facilities; Separately-permitted Loadouts = B&G + Long-Term Facilities

³Includes haul, access and light-use roads, temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; refuse piles and coal mine waste impoundments; head-of-hollow fills; valley fills; ventilation shafts and entryways; and non-coal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

Attachment 1

Soil Testing Report

Dustin Garvey Garvey and Company PO Box 646 Nulca CO 81424



Colorado State Extension SOIL, WATER & PLANT TESTING LABORATORY

Phone 970-491-5061 Fax 970-491-2930

NUMBER OF SAMPLES

3

DATE RECEIVED

3/6/2021

DATE REPORTED

5/26/2021 Montrose

FORT COLLINS, COLORADO 80523-1120 AGRICULTURAL TEST REPORT

COUNTY

		-				District Committee			A TRANSPORT AND A	11501	200000000000000000000000000000000000000	easoness.		COUNT	8038			violiti cae
IDE	NTIFICATION				12			ROU'.	TINE S	OIL TEST	RESULT	S						
метног	O USED:				Estimate	Estin	nate			Modified Walkley Black	AB-DTPA Extract	1	АВ	-DTPA Ex	tract		AB-DTPA Extract	
Lab No.	Sample ID	Sample Depth	pН	EC Salts mmhos/cm	Excess Lime	Texture F	Estimate	SAR	Gyp meq 100g	Organic Matter %	Nitrate N ppm	Phosphorus P ppm	Potassium K ppm	Zinc Zn ppm	Iron Fe ppm	Manganese Mn ppm	Copper Cu ppm	Sulfur S ppm
F476	pivot		7.2	1.2	medium	sandy clay lo	oam			2.7	4.48	7.5	92.3	7.0	24.3	2.6	3.4	26.6
F477	sage		7.9	0.4	high	sandy clay lo	oam			3.0	23.81	12.1	279.3	5.9	11.3	4.6	2.1	24.9
F478	pasture		8.0	0.3	high	sandy clay le	oam .			3.4	1	4.3	114.6	12.7	61.7	3.6	5.5	54.3
FERTIL	IZER RECOMMI	ENDATIO	NS:															
I.D.	FIELD INFORM	IATION								POUNDS	OF ACT	TUAL NU	TRIENT I	PER AC	RE			
Lab		25-27-12	20/20/20/20/20/20	Prop		Yield		() to raise p		N	P ₂ O ₅	K ₂ O	Zn	Fe	Mn	Cu	Sulfur	Gypsum
No.	Sample ID	Acres	Irrigation	Cre	ор	Goal	6.0	6.5	7.0	lbs/A	lbs/A	lbs/A	lbs/A	lbs/A	lbs/A	lbs/A	lbs/A	T/A
F476	pivot	90	sprinkler							0	0	0	0	0	0	0	0	N/A
F477	sage		sprinkler	Г		Г				0	I 0	0	0	0	0	0	0	N/A
2117	Jones Company		Sprinter													v		1011
F478	pasture		sprinkler							0	0	0	0	0	0	0	0	N/A
										0	0	0	0	0	0	0	0	N/A
	79	837																
										0	0	0	0	0	0	0	0	N/A
										0	0	0	0	0	0	0	0	N/A

SPECIAL COMMENTS AND SUGGESTIONS:

Fertilizer recommendations had been generated by the lab manager in previous years, based on his expertise. We are not able to provide them now because we do not have the necessary resources to do this, therefore, we are encouraging our clients to seek assistance from local extension services. As mentioned above, we are working to quickly find a way to fill that gap and foresee partnering with extension to strengthen our capacity and improve the resources we provide for you.

Web site:	http://www.so	iltestinglab.colostat	e.edu
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