



TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

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

February 10, 2021

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

**RE: New Horizon Mine
Permit No. C-1981-008
2020 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 Mine. The New Horizon Mine operates under the Colorado Division of Reclamation, Mining, and Safety Permit No. C-1981-008.

Per 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 by permit is required to submit the report annually by March 15. Therefore, enclosed please the Annual Reclamation Report for the calendar year 2020 as required.

If you should have any additional questions or concerns please feel free to contact Tony Tenyson at (970) 824-1232 at your convenience.

Sincerely,

DocuSigned by:
Daniel Casiraro
B70D69F114324DE...

Daniel J. Casiraro
Senior Manager
Environmental Services

DJC:TT:der

Enclosure

cc:

Chris Gilbreath (via email)
Frank Ferris (via email)
File: G474-11.3(21)b-9

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

A Touchstone Energy® Cooperative 

CRAIG STATION
P.O. BOX 1307
CRAIG, CO 81626-1307
970-824-4411

ESCALANTE STATION
P.O. BOX 577
PREWITT, NM 87045
505-972-5200

NUCLA STATION
P.O. BOX 698
NUCLA, CO 81424-0698
970-864-7316

Elk Ridge Mining and Reclamation, LLC.

PERMIT C-1981-008

NEW HORIZON MINE

2020 ANNUAL RECLAMATION REPORT

JANUARY 1, 2020 to DECEMBER 31, 2020

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I. RULE REQUIREMENTS

Rule 2.04.13(1)(a-f) states, by February 15, or such date agreed on (which is March 15 in Permit No. C-1981-008), each permitted shall file an annual reclamation report covering the previous calendar year for all areas under bond. The report shall include, but is 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

A. PERMITTEE

Elk Ridge Mining & Reclamation, LLC
Permit No. C-1981-008
PO Box 628
Nucla, CO 81424

B. DISTURBED AREAS

During 2020, 0.0 acres of additional disturbance occurred onsite. There are currently 31.8 acres in non-permanent long-term facilities at the end of the year 2020 and 7.1 acres of long-term permanent facilities. Please see Figure 1.

C. BACKFILLING AND GRADING

During 2020, 0.0 acres were backfilled and/or graded.

D. RECLAMATION ACTIVITIES

1. Spoil Quality

The spoil sampling and analysis program for the New Horizon Mine is described in Section 2.05.4(2)(d) of the approved permit. The New Horizon Mine did not conduct any spoil quality sampling in 2019.

2. Topsoil

The New Horizon Mine placed topsoil on 0.0 acres in 2020. Please refer to Table 1 for the current volume of topsoil in stockpiles.

3. Seeding

The approved seed mixtures utilized at the New Horizon Mine can be located in Section 2.05.4(2)(e) of the approved permit. During 2020, permanent seeding occurred on 0.0 acres of dryland pasture and 14.9 acres of irrigated pasture. Please refer Table 2 and Map 1 for all reclamation units. Please refer to Figure 2 for a seed mix #5 invoice documenting the species planted in 2020.

4. Soil Fertility Testing and Fertilizer Application

Soil fertility testing was not performed on any areas in 2020.

Fertilizer was applied to reclamation units IP-1 through IP-8, IC-1, and the reference area. Fertilizer rates that were applied in 2020 are as follows:

IC-1

<u>Fertilizer</u>	<u>Pounds/Acre Applied</u>
Phosphate	200
Elemental Sulfur	1.5

IP-1 through IP-8 & Reference Area

<u>Fertilizer</u>	<u>Pounds/Acre Applied</u>
Phosphate	38
Urea	122

5. Grazing

Data presented below includes properties within the permit boundary that were grazed in 2020.

- ERMR - Benson West & Lloyd Property (25 acres):
 - 65 cows in November 2020
- GW46 Irrevocable Trust (2.9 acres are reclamation parcel IP-10):
 - 50 cows in January 2020
- Reference Area (6.3 acres):
 - 10 cows in February 2020
 - 12 cows in November 2020

6. Irrigation

The CC Ditch Company commenced water deliveries on April 28, 2020, and New Horizon Mine began irrigation operations shortly thereafter. The CC Ditch Company discontinued water delivery November 1, 2020.

7. Irrigated Pasture Yields

- ERM - Benson West Property, IP-8 (12.2 acres)
 - 463 bales with an average of 67 pounds per bale
- ERM - Lloyd Property, IP-9 (12.9 acres)
 - 470 bales with an average of 67 pounds per bale
- GW46 Irrevocable Trust Property, IP-10 (2.9 acres)
 - First cutting – 265 bales with an average of 80 pounds per bale
 - Second cutting – 17 bales with an average of 915 pounds per bale
 - Third cutting – 14 bales with an average of 960 pound per bale
- Morgan Property, IC-1 (107.8 acres)
 - Alfalfa - 475 bales with an average of 2,000 pounds per bale
 - Oats – 415 bales with an average of 2,000 pounds per bale
- Reference Area (6.3 acres):
 - 320 bales with an average of 69 pounds per bale

E. WILDLIFE MONITORING

No wildlife monitoring occurred in 2020.

F. INTERIM REVEGETATION REPORT

New Horizon did not conduct interim vegetation monitoring in 2020.

G. WEED MANAGEMENT

During 2020, various areas within the permit boundary were treated for noxious weeds by spot spraying and/or hand removal. The sites that were treated were small, random, and thus too small to accurately depict on a map.

Target species for noxious weeds included Knapweed(s), Thistle(s), White Top, Russian-olive, 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.

H. PEST MANAGMENT

The New Horizon Mine conducted Prairie Dog mitigation in reclaimed areas in the southwest corner of IC-1 where the species was present during the summer of 2020. The licensed exterminators employed carbon monoxide treatments to active holes.

Table 1 - Topsoil Stockpiled (End of Year 2020)

<u>Soil Type</u>	<u>Topsoil Pile ID</u>	<u>Stockpile Volume (Cubic Yards)</u>
Lift A	C	2,363
Mixed	D	3,242
Mixed	E	7,320
Lift B	H	3,705
Mixed	12 (Multiple Piles)	169,570
Lift A	13	1,900
Prime Farmland	4	13,266
	<i>Total</i>	<i>201,366</i>

Morgan Lift A	11A	5,550
Morgan Lift B	11B	4,070
	<i>Total</i>	<i>9,620</i>

Table 2 – New Horizon Reclamation Table

Area	Reclaimed Acres	Year Seeded	Revegetated Years
DP-5	12.8	2006	13
DP-6	28.7	2007	12
DP-9	24.1	2009	10
DP-10	8.1	2011	10
DP-11	1.7	2011	10
DP-12	0.7	2012	9
DP-13	0.4	2013	8
DP-14	2.0	2013	8
DP-15	2.3	2014	7
DP-16	1.4	2016	5
DP-17	3.5	2018	3
DP-18	7.5	2012	9
IP-8	12.2	2014	7
IP-9	12.9	2014	7
IP-10	2.9	2016	5
IP-11	14.9	2020	1
IC-1	107.8	2015	6
Grand Totals	243.9		

Please see Map 1 for locations of the reclamation units noted above.

Figure 1 - Annual Reclamation Report Form
Colorado Division of Reclamation, Mining and Safety
 Annual Reclamation Report for Calendar Year – 2020

New Horizon Mine	C-1981-008	Elk Ridge Mining & Reclamation, LLC.
Mine Name	Permit Number	Permittee
P.O Box 628 – 27646 W. 5 th 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.

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acreage in Active Mining Areas ¹	0	0	0	=	0

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acres Disturbed ²	460.6	0	98.0	=	362.6
Acres Backfilled and Graded	460.3	0	98.0	=	362.3
Acres Topsoiled	323.9	0	98.0	=	225.9

Acreage in Long-term Facilities ³	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Non-Permanent Facilities	31.2	0.6	0.0	=	31.8
Permanent Facilities (permitted)	7.1	0	0	=	7.1
Totals	38.3			=	38.9

Acres Seeded (permanent)	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
9 Years and Less	163.0	5.5	0.0	=	168.5
10 Years and Greater	156.5	0.0	81.1	=	75.4
Totals	319.5			=	243.9

Bond Release	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Phase I Released	323.6	0	101.2	=	222.4
Phase II Released	170.2	43.5	0	=	213.6
Phase III Released	7.0	60.8	0	=	67.8

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

New Horizon Mine

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).

*1.6 acres were removed from the permit boundary during 2019. 1.3 acres were removed due to incorrect reporting for an area that was not disturbed by New Horizon Mine for reclamation unit IC-1. This was to correct past reporting for that unit from 109.1 acres to 107.8 acres.

New Horizon Mine

Figure 2 – Seed Mix #5 Invoice



490 East 76th Ave. Unit A
Denver, Colorado 80229
Toll Free (888) 577-5650
Fax (888) 695-5450

INVOICE

Invoice Date:
04 Sep 20

Invoice Number: **3-49198**

(please show this invoice number on all payments)

Project: IRR PASTURE MIX #5

Sold To:
Elk Ridge Mining & Reclamation New Horizon Mine
P.O. Box 628
Nucla, CO 81424-0628

Ship To:
Elk Ridge Mining & Reclamation New Horizon Mine
27646 West 5th Avenue
Nucla, CO 81424

Terms: Net 30	Customer P.O.:	Ordered By:	Phone Number: (970) 864-2165 ext 107	Customer Number: G11846
Shipper: UPS	Freight: Prepaid/Collect Prepaid	FOB: Origin	Sales Rep: Miranda McCutchen	Date Shipped: 04-Sep-20

Quantity Shipped		Description	Variety	Price	Total	
Pricing	PLS					Bulk
*** MIX # 209936 IRR PASTURE MIX #5 ***						
PLS #	84.00	86.20	Bromus biebersteinii Bromegrass, Meadow	Macbeth		
PLS #	28.00	29.16	Dactylis glomerata Orchardgrass	Latar		
PLS #	28.00	30.49	Medicago sativa Alfalfa	Vernal		

MIX SUBTOTAL (14 Acre @ \$ [REDACTED])

Notes: 1Z6R050R0345071058 1Z6R050R0344475267
1Z6R050R0345551075 1Z6R050R0343834488

\$623.23 paid by Visa

Subtotal:	[REDACTED]
Freight:	[REDACTED]
Sales Tax:	[REDACTED] 9
GRAND TOTAL:	\$ [REDACTED]
PLEASE PAY PER THIS INVOICE. NO STATEMENT WILL BE SENT.	

Please read the reverse side of this form carefully. The terms and conditions of sale set forth on both sides of this form constitute the entire agreement between Seller and Buyer. All purchases of products by Buyer shall be governed and subject to the terms and conditions of sale set forth on the reverse side hereof, as in effect from time to time, and nothing contained in any product order of buyer shall in any way modify such terms and conditions of sale or add any additional terms and conditions unless agreed upon in writing by a corporate officer of Granite Seed. Any additional or inconsistent terms and conditions of any product order of Buyer shall be deemed stricken from such order and each product order shall be deemed to incorporate all of these terms and conditions of sale. Acceptance by Buyer of these terms and conditions is acknowledged by either (1) Buyer's signature set forth herein, or (2) receipt by Buyer of delivery of the products described here in and failure by Buyer to return such products within five (5) days following such delivery.