

June 28, 2023

Mr. Clayton Wein 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 2023 Annual Impoundment Inspections

Dear Mr. Wein:

Elk Ridge Mining and Reclamation, LLC (Elk Ridge) operates the New Horizon Mine. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent company of Elk Ridge. The New Horizon Mine operates under Colorado Division of Reclamation, Mining and Safety (CDRMS) Permit No. C-1981-008.

In accordance with Rules 4.05.9(14) and 4.05.9(15), Tri-State is submitting the enclosed annual impoundment inspections on behalf of Elk Ridge.

If you have any questions about the enclosed annual impoundment reports, please contact Tony Tennyson at (970) 824-1232 at your convenience.

Sincerely,

DocuSigned by: Unis Gilbreath

D250C711D08F450... Chris Gilbreath Senior Manager Remediation and Reclamation

CG:TT:der

Enclosures

cc: Tony Tennyson (via email) G747-11.3(21)c-8



Mine: New Horizon Mine (Permit No. C-981-008) Pond Name: Pond 013 Date Inspected: 6-17-2023 Inspector's Name: Trevor Ragsdale





Circle or Write appropriate Response

1.	Seepa	ge (specify location, color, and approx. volume)	Yes	NX	N/A
2.	Cracks	s or scarps on crest or slopes	Yes	×	N/A
3.	Sloug	hing or bulging on slopes	Yes	NX	N/A
4.	Major	Major erosion problems		×	N/A
5.	Surface movements in valley bottom or on hillside		Yes	NX	N/A
6.	Water impounded against toe		Yes	×	N/A
7.	Cloggi	ng		14	
	a)	Spillway channels and pipes	Yes	NX	N/A
	b)	Decant system	Yes	NX	N/A
	c)	Diversion Ditches	Yes	×	N/A
8.	Cracki	ng or crushing of pipes			
	a)	Spillway pipes	Yes	NX	N/A
	b)	Decant system	Yes	X	N/A
9.	Trash	racks clear and in place	🗙s	No	N/A
10.	Monit	oring instrumentation Flume in place & functioning	YX	No	N/A

Comments: Water Level ~1ft below Primary

Mine: New Horizon Mine (Permit No. C-1981-008) Pond Name: Pond 012 Date Inspected: 6-17-2023 Inspector's Name: Trevor Ragsdale

Pond Capacity Data

As Built Pond Embankment elev.: 5608.5 As Built Pond Bottom elev.: 5596.5 As Built Pond Emergency Spillway elev.: NA As Built Pond Primary Spillway elev.: 5606.5 As Built Pond Capacity (pond bottom to primary spillway) per As Built 4.9 ac-ft Existing Pond Capacity (pond bottom to primary spillway): As Built Volume - SV = 4.75 ac-ft Sediment Volume (SV) unchanged: 3 areas =~0.15 ac-ft Surface Water elev. Dry - As Built Pond Bottom elev. 5596.5 = Water Depth 0 ft Water Volume (WV) in Pond 0 ac-ft (using as built capacity table & surface water elevation, and then subtracting sediment volume under water level) Pond Capacity Available below primary spillway 4.75 ac-ft [As Built Pond Capacity – WV – SV] Inflow volume from 10-yr 24-hr storm runoff event 3.41 ac-ft

Circle or Write appropriate Response

1.	Seepa	age (specify location, color, and approx. volume)	Yes	Ж	N/A
2.	Crack	s or scarps on crest or slopes	Yes	×	N/A
3.	Sloughing or bulging on slopes			30	N/A
4.	Major	r erosion problems	Yes	*	N/A
5.	Surfac	Surface movements in valley bottom or on hillside		X	N/A
6.	Wate	r impounded against toe	Yes	36	N/A
7.	Cloggi	ing			
	a)	Spillway channels and pipes	Yes	Х	N/A
	b)	Decant system	Yes	*	N/A
	c)	Diversion Ditches	Yes	X	N/A
8.	Cracki	ing or crushing of pipes		- V	
	a)	Spillway pipes	Yes	X	N/A
	b)	Decant system	Yes	×	N/A
9.	Trash	racks clear and in place	X	No	N/A
10.	Monit	oring instrumentation	Yes	No	XA
Comm	ents:	Dry			



Mine: New Horizon Mine (Permit No. C-981-008) Pond Name: Pond 016 Date Inspected: 6-17-2023 Inspector's Name: Trevor Ragsdale



As Built Pond Embankment elev.: **5620.5** Surveyed Pond Bottom elev.: **5611.0** As Built Pond Emergency Spillway elev.: **5618.5** As Built Pond Primary Spillway elev.: **NA** As Built Pond Capacity (pond bottom to emergency spillway) per As Built **7.5 ac-ft** Existing Pond Capacity (pond bottom to emergency spillway): As Built Volume - SV = **7.5 ac-ft** ^{note} Sediment Volume (SV) at Inspection: length __0__ft X width _0__ft X depth __0__ft = **NA ac-ft** Surface Water elev. **Dry** - As Built Pond Bottom elev. **5611.0** = Water Depth **NA** Water Volume (WV) in Pond **Dry** (using as built capacity table & surface water elevation, and then subtracting sediment volume under water level) Pond Capacity Available **7.5 ac-ft** [As Built Pond Capacity – WV – SV] Inflow volume from 100-yr 24-hr storm runoff event **5.33 ac-ft**

Circle or Write appropriate Response

1.	Seepage (specify location, color, and approx. volume)			×	N/A
2.	Crack	Cracks or scarps on crest or slopes			N/A
3.	Sloug	hing or bulging on slopes	Yes	X	N/A
4.	Majo	r erosion problems	Yes	×	N/A
5.	Surfa	Surface movements in valley bottom or on hillside			N/A
6.	Wate	r impounded against toe	Yes	X	N/A
7.	Clogg	ing		N.	
	a)	Spillway channels and pipes	Yes	×	N/A
	b)	Decant system	Yes	No	MA
	c)	Diversion Ditches	Yes	X	N/A
8.	Crack	ing or crushing of pipes		1	
	a)	Spillway pipes	Yes	No	NA
	b)	Decant system	Yes	No	NA
9.	Trash	racks clear and in place	Yes	No	NA
10.	Moni	toring instrumentation	Yes	No	NA
					17

Comments: DRY

Mine: New Horizon Mine (Permit No. C-981-008) Pond Name: Pond 018 Date Inspected: 6-17-2023 Inspector's Name: Trevor Ragsdale



As Built Pond Embankment elev.: **5682.0** Surveyed Pond Bottom elev.: **5570.** As Built Pond Emergency Spillway elev.: **5678.0** As Built Pond Primary Spillway elev.: **NA** As Built Pond Capacity (pond bottom to emergency spillway) per As Built **4.03 ac-ft** Existing Pond Capacity (pond bottom to emergency spillway): As Built Volume - SV = **4.03 ac-ft** Sediment Volume (SV) at Inspection: length __0__ ft X width __0_ft X depth __0__ ft = **NA ac-ft** Surface Water elev. **Dry** - As Built Pond Bottom elev. **5670.0** = Water Depth **Dry ft** Water Volume (WV) in Pond **0 ac-ft** (using as built capacity table & surface water elevation, and then subtracting sediment volume under water leve!) Pond Capacity Available **4.03 ac-ft** [As Built Pond Capacity – WV – SV] Inflow volume from 100-yr 24-hr storm runoff event **2.25 ac-ft**

Circle or Write appropriate Response

1.	Seepa	age (specify location, color, and approx. volume)	Yes	X	N/A
2.	Crack	s or scarps on crest or slopes	Yes	X	N/A
3.	Sloug	hing or bulging on slopes	Yes	×	N/A
4.	Major erosion problems		Yes	NX	N/A -
5.	Surface movements in valley bottom or on hillside		Yes	×	N/A
6.	Wate	r impounded against toe	Yes	×	N/A
7.	Clogg	ing		M	
	a)	Spillway channels and pipes	Yes	X	N/A
	b)	Decant system	Yes	No	XA
	c)	Diversion Ditches	Yes	×	N/A
8.	Cracki	ing or crushing of pipes		16	212
	a)	Spillway pipes	Yes	No	NA
	b)	Decant system	Yes	No	MA
9.	Trash	racks clear and in place	Yes	No	XA
10.	Monit	toring instrumentation	Yes	No	NXA

Comments: DRY



Mine: New Horizon Mine (Permit No. C-981-008) Pond Name: Pond 015 Date Inspected: 6-17-2023 Inspector's Name: Trevor Ragsdale

Pond Capacity Data

As Built Pond Embankment elev.:5671.0Surveyed Pond Bottom elev.:5560.7As Built Pond Emergency Spillway elev.:NAAs Built Pond Primary Spillway elev.:NAAs Built Pond Capacity (pond bottom to top of embankment) per As Built0.94 ac-ftExisting Pond Capacity (pond bottom to top of embankment): As Built Volume - SV = 0.94 ac-ftSediment Volume (SV) at Inspection: length _____ ft X width _____ ft X depth _____ ft = NA ac-ftSurface Water elev. Dry - As Built Pond Bottom elev.Sourd Capacity (wing as built capacity table & surface water elevation, and thensubtracting sediment volume under water level)Pond Capacity Available 0.94 ac-ft [As Built Pond Capacity – WV – SV]Inflow volume from 100-yr 24-hr storm runoff event 0.508 ac-ft

Circle or Write appropriate Response

1.	Seepa	age (specify location, color, and approx. volume)	Yes	Ж	N/A
2.	Crack	s or scarps on crest or slopes	Yes	X	N/A
3.	Sloug	Sloughing or bulging on slopes		X	N/A
4.	Majo	r erosion problems	Yes	×	N/A
5.	Surfa	ce movements in valley bottom or on hillside	Yes	X	N/A
6.	Wate	r impounded against toe	Yes	No	N/A
7.	Clogg	ing		0	
	a)	Spillway channels and pipes	Yes	No	XA
	b)	Decant system	Yes	No	XA
	c)	Diversion Ditches	Yes	×	N/A
8.	Crack	ing or crushing of pipes		10	
	a)	Spillway pipes	Yes	No	MA.
	b)	Decant system	Yes	No	XA
9.	Trash	racks clear and in place	Yes	No	NA
10.	Moni	toring instrumentation	Yes	No	NA
					1

Comments: DRY

Mine: New Horizon Mine (Permit No. C-981-008) Pond Name: SP2 Date Inspected: 6-17-23 Inspector's Name: Trevor Ragsdale

Circle or Write appropriate Response

1.	Seepage (specify location, color, and approx. volume)		Yes	X	N/A
2.	Crack	Cracks or scarps on crest or slopes			N/A
3.	Sloug	hing or bulging on slopes	Yes	36	N/A
4.	Major	Major erosion problems		26	N/A
5.	Surfac	Surface movements in valley bottom or on hillside		26	N/A
6.	Water impounded against toe			2	N/A
7.	Clogg	ng			
	a)	Spillway channels and pipes	Yes	X	N/A
	b)	Decant system	Yes	No	NA
	c)	Diversion Ditches	Yes	No	NA
8.	Cracki	ng or crushing of pipes			
	a)	Spillway pipes	Yes	No	XA
	b)	Decant system	Yes	No	MA
9.	Trash racks clear and in place		Yes	No	NA
10.	Monitoring instrumentation		Yes	No	MA

Comments: Pond has very small amount of water pooled in bottom (around 6 inches) and appears to be from irrigation runoff.