TRI-STATE

June 17, 2024

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
2024 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:
Chris Gilbreath
4BE980BE59E442F...

Chris Gilbreath
Senior Manager
Remediation and Reclamation

CG:TT

Enclosures

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

P.O. BOX 33695
DENVER, CO 80233-0695
303-452-6111
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2024 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-1981-008)**
Pond Name: **Pond 012**
Date Inspected: 6-10-2024
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.	Seepage (specify location, color, and approx. volume) _____	Yes	No		N/A
2.	Cracks or scarps on crest or slopes _____	Yes	No		N/A
3.	Sloughing or bulging on slopes _____	Yes	No		N/A
4.	Major erosion problems _____	Yes	No		N/A
5.	Surface movements in valley bottom or on hillside _____	Yes	No		N/A
6.	Water impounded against toe _____	Yes	No		N/A
7.	Clogging				
	a) Spillway channels and pipes _____	Yes	No		N/A
	b) Decant system _____	Yes	No		N/A
	c) Diversion Ditches _____	Yes	No		N/A
8.	Cracking or crushing of pipes				
	a) Spillway pipes _____	Yes	No		N/A
	b) Decant system _____	Yes	No		N/A
9.	Trash racks clear and in place _____		Yes	No	N/A
10.	Monitoring instrumentation _____	Yes	No		N/A

Comments: **Dry**

2024 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 013**
Date Inspected: 6-10-2024
Inspector's Name: **Trevor Ragsdale**

Pond Capacity Data

As Built Pond Embankment elev.: **5560.4** As Built Pond Bottom elev.: **5548.0**
As Built Pond Emergency Spillway elev.: **5557.0** As Built Pond Primary Spillway elev.: **5555.0**
As Built Pond Capacity (pond bottom to primary spillway) per As Built **6.14 ac-ft**
Existing Pond Capacity (pond bottom to primary spillway): As Built Volume - SV = **6.14 ac-ft**
Sediment Volume (SV) at Inspection: **no change since as-built**
Surface Water elev. **5555** As Built Pond Bottom elev. **5548.0** = Water Depth **7 feet**
Water Volume (WV) in Pond **5.9 ac-ft** (using as built capacity table & surface water elevation, and then subtracting sediment volume under water level)
Pond Capacity Available below primary spillway ***0 ac-ft** at time of inspection [As Built Pond Capacity – WV – SV]
Inflow volume from 10-yr 24-hr storm runoff event **2.7 ac-ft**

Circle or Write appropriate Response

1.	Seepage (specify location, color, and approx. volume) _____		Yes	No	N/A
2.	Cracks or scarps on crest or slopes _____		Yes	No	N/A
3.	Sloughing or bulging on slopes _____		Yes	No	N/A
4.	Major erosion problems _____		Yes	No	N/A
5.	Surface movements in valley bottom or on hillside _____		Yes	No	N/A
6.	Water impounded against toe _____		Yes	No	N/A
7.	Clogging				
	a)	Spillway channels and pipes _____	Yes	No	N/A
	b)	Decant system _____	Yes	No	N/A
	c)	Diversion Ditches _____	Yes	No	N/A
8.	Cracking or crushing of pipes				
	a)	Spillway pipes _____	Yes	No	N/A
	b)	Decant system _____	Yes	No	N/A
9.	Trash racks clear and in place _____		Yes	No	N/A
10.	Monitoring instrumentation	**Flume in place & functioning**	Yes	No	N/A

Comments: ***Water Level even with Primary due to closed weephole valve. Valve was opened during inspection to remedy the high water level.**

Flume has some minor erosion but is functioning. It is scheduled to be replaced in 2024

2024 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 015**
Date Inspected: 6-10-2024
Inspector's Name: **Trevor Ragsdale**

Pond Capacity Data

As Built Pond Embankment elev.: **5671.0** Surveyed Pond Bottom elev.: **5560.7**
As Built Pond Emergency Spillway elev.: **NA** As Built Pond Primary Spillway elev.: **NA**
As Built Pond Capacity (pond bottom to top of embankment) per As Built **0.94 ac-ft**
Existing Pond Capacity (pond bottom to top of embankment): As Built Volume - SV = **0.94 ac-ft**
Sediment Volume (SV) at Inspection: No new sediment = **0 ac-ft**
Surface Water elev. **Dry** - As Built Pond Bottom elev. **5660.0** = 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 **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.	Seepage (specify location, color, and approx. volume) _____	Yes	X	N/A
2.	Cracks or scarps on crest or slopes _____	Yes	X	N/A
3.	Sloughing or bulging on slopes _____	Yes	X	N/A
4.	Major erosion problems _____	Yes	X	N/A
5.	Surface movements in valley bottom or on hillside _____	Yes	X	N/A
6.	Water impounded against toe _____	Yes	X	N/A
7.	Clogging			
	a) Spillway channels and pipes _____	Yes	No	X
	b) Decant system _____	Yes	No	X
	c) Diversion Ditches _____	Yes	X	N/A
8.	Cracking or crushing of pipes			
	a) Spillway pipes _____	Yes	No	X
	b) Decant system _____	Yes	No	X
9.	Trash racks clear and in place _____	Yes	No	X
10.	Monitoring instrumentation _____	Yes	No	X

Comments: ***DRY***

2024 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 016**
Date Inspected: 6-10-2024
Inspector's Name: **Trevor Ragsdale**

Pond Capacity Data

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**
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) _____	Yes	No	N/A
2.	Cracks or scarps on crest or slopes_____	Yes	No	N/A
3.	Sloughing or bulging on slopes _____	Yes	No	N/A
4.	Major erosion problems_____	Yes	No	N/A
5.	Surface movements in valley bottom or on hillside_____	Yes	No	N/A
6.	Water impounded against toe_____	Yes	No	N/A
7.	Clogging			
	a) Spillway channels and pipes _____	Yes	No	N/A
	b) Decant system_____	Yes	No	N/A
	c) Diversion Ditches_____	Yes	No	N/A
8.	Cracking or crushing of pipes			
	a) Spillway pipes_____	Yes	No	N/A
	b) Decant system_____	Yes	No	N/A
9.	Trash racks clear and in place_____	Yes	No	N/A
10.	Monitoring instrumentation_____	Yes	No	N/A

Comments: **DRY**

2024 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 018**
Date Inspected: 6-10-2024
Inspector's Name: **Trevor Ragsdale**

Pond Capacity Data

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 level)
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.	Seepage (specify location, color, and approx. volume) _____	Yes	No	N/A
2.	Cracks or scarps on crest or slopes_____	Yes	No	N/A
3.	Sloughing or bulging on slopes _____	Yes	No	N/A
4.	Major erosion problems_____	Yes	No	N/A
5.	Surface movements in valley bottom or on hillside_____	Yes	No	N/A
6.	Water impounded against toe_____	Yes	No	N/A
7.	Clogging			
	a) Spillway channels and pipes _____	Yes	No	N/A
	b) Decant system_____	Yes	No	N/A
	c) Diversion Ditches_____	Yes	No	N/A
8.	Cracking or crushing of pipes			
	a) Spillway pipes_____	Yes	No	N/A
	b) Decant system_____	Yes	No	N/A
9.	Trash racks clear and in place_____	Yes	No	N/A
10.	Monitoring instrumentation_____	Yes	No	N/A

Comments: **DRY**