TRI-STATE

June 28, 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
2022 Annual Impoundment Inspections

Dear Mrs. Binns:

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 inspection 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
D250C711D0BF450...

Chris Gilbreath
Senior Manager
Remediation and Reclamation

CG:TT:der

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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2022 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-1981-008)**
Pond Name: **Pond 012**
Date Inspected:
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	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	X		N/A
	b) Decant system_____	Yes	X		N/A
	c) Diversion Ditches_____	Yes	X		N/A
8.	Cracking or crushing of pipes				
	a) Spillway pipes_____	Yes	X		N/A
	b) Decant system_____	Yes	X		N/A
9.	Trash racks clear and in place_____	Yes	X	No	N/A
10.	Monitoring instrumentation_____	Yes		No	X N/A

Comments: **Sediment accumulation in 3 areas was = 0.18 ac-ft. 2020 -- 50 cu-yd of sediment was removed from NW corner =~.03 ac-ft. Thus, sediment accumulation is 0.18 – 0.03 = 0.15 ac-ft**

Inspected 6-13-22. Above note still accurate.

2022 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 013**
Date Inspected:
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. **5554.1** As Built Pond Bottom elev. **5548.0** = Water Depth **6.1 feet**
Water Volume (WV) in Pond **4.7 ac-ft** (using as built capacity table & surface water elevation, and then subtracting sediment volume under water level)
Pond Capacity Available below primary spillway **1.2 ac-ft** [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	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	X	N/A
	b) Decant system_____	Yes	X	N/A
	c) Diversion Ditches_____	Yes	X	N/A
8.	Cracking or crushing of pipes			
	a) Spillway pipes _____	Yes	X	N/A
	b) Decant system _____	Yes	X	N/A
9.	Trash racks clear and in place_____	X	No	N/A
10.	Monitoring instrumentation **Flume in place & functioning**	X	No	N/A

Comments: **Inspected 6-13-22**

2022 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 015**
Date Inspected:
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: length ____ ft X width _____ft X depth _____ ft = **NA 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: ***Inspected 6-13-22***

2022 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 016**
Date Inspected:
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** 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) _____	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: **Inspected 6-13-22.**

2022 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **Pond 018**
Date Inspected:
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	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	X		N/A
	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: **Inspected 6-13-22**

2022 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon Mine (Permit No. C-981-008)**
Pond Name: **SP2**
Date Inspected: 6-13-22
Inspector's Name: **Trevor Ragsdale**

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