TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.
HEADQUARTERS: P.O. BOX 33695 DENVER, COLORADO 80233-0695 303-452-6111

October 31, 2019

Sent via email: janet.binns@co.state.us

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
2019 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 Rule 4.05.9(14)(a), Tri-State is submitting the enclosed annual impoundment inspections on behalf of Elk Ridge.

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

Sincerely,

Dan Casiraro
Senior Manager
Environmental Services

DJC:TT:der

Enclosures

cc: Frank Ferris (via email)
Chris Gilbreath (via email)
Tony Tennyson (via email)
Jason Storey (via email)
G474-11.3(21)b-9

2019 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon North Mine**
Pond Name: **Pond 001**
NPDES Permit & Outfall #s: **CO-850062**
Date Inspected: **15-October-2019**
Location Description: **2.4 miles NW of Nucla**

Owner's Rep.: **Frank Ferris, Mine Manager**
Pond Type: **Partly Incised**
CDRM & S #: **C-2010-089**
Date Last Inspected: **12-December-2018**
Legal Location: **Sec 25 of T47N R16W**
Inspector's Name: **Frank Ferris**

Pond Capacity Data

As Built Pond Embankment elev.: **5679.0**
As Built Pond Bottom elev.: **5666.0**
As Built Pond Emergency Spillway elev.: **5676.5**
As Built Pond Primary Spillway elev.: **5675.5**
As Built Pond Capacity (pond bottom to primary spillway) per As Built **7.9 ac-ft**
Existing Pond Capacity (pond bottom to primary spillway): As Built Volume - SV = **7.9 ac-ft**
Sediment Volume (SV) at Inspection: **0**
Surface Water elev. **Dry** - Surveyed Pond Bottom elev. **5666** = Water Depth **Dry**
Water Volume (WV) in Pond **Dry** (using as built capacity table & surface water elevation, and the
subtracting sediment volume under water level)
Pond Capacity Available below primary spillway **7.9 ac-ft** [As Built Pond Capacity – WV – S
Inflow volume from 10-yr 24-hr storm runoff event **5.5 ac-ft**
Note:

COLORADO LICENSED
FRANK K. FERRIS
46342
PROFESSIONAL ENGINEER
24 OCT 2019

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	No	N/A
10.	Monitoring instrumentation **in place & functioning** _____	Yes	No	N/A

Comments: **Dry, SE entry structure rebuilt**

2019 ANNUAL IMPOUNDMENT INSPECTION

Mine: **New Horizon North Mine**
Owner's Rep.: **Frank Ferris, Mine Manager**
Pond Name: **Pond 002**
Pond Type: **Partly Incised**
NPDES Permit & Outfall #s: **CO-850062**
CDRM & S #: **C-2010-089**
Date Inspected: **15-October-2019**
Date Last Inspected: **12-December-2018**
Location Description: **2.4 miles NW of Nucla**
Legal Location: **Sec 25 of T47N R16W**
Inspector's Name: **Frank Ferris**

Pond Capacity Data

As Built Pond Embankment elev.: **5685.0**
As Built Pond Bottom elev.: **5673.0**
As Built Pond Emergency Spillway elev.: **5682.9**
As Built Pond Primary Spillway elev.: **5682.0**
As Built Pond Capacity (pond bottom to primary spillway) per As Built **12.9 ac-ft**
Existing Pond Capacity (pond bottom to primary spillway): As Built Volume - SV = **12.9 ac-ft**
Sediment Volume (SV) at Inspection: **None**
Surface Water elev. **~Dry** – As-built Pond Bottom elev. **5673.0** = Water Depth **NA**
Water Volume (WV) in Pond **~DRY** (using as built capacity table & surface water elevation, accounting for subtracting sediment volume under water level)
Pond Capacity Available below primary spillway **12.9 ac-ft** [As Built Pond Capacity – WV – SV]
Inflow volume from 10-yr 24-hr storm runoff event **8.6 ac-ft**
Note: Dry

COLORADO LICENSED FRANK K. FERRIS 46342 PROFESSIONAL ENGINEER 24-OCT-2019

Circle or Write appropriate Response

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

Comments: