



**TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.**

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

April 18, 2018

Sent via email: [brock.bowles@state.co.us](mailto:brock.bowles@state.co.us)

Mr. Brock Bowles  
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  
2nd Quarter 2018 Impoundment Inspections**

Dear Mr. Bowles:

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(17), Tri-State is submitting the enclosed quarterly impoundment inspections on behalf of Elk Ridge.

If you have any questions about the enclosed quarterly impoundment reports, please contact Tony Tennyson at (970) 825-1232 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

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Name: **Pond 007**

Pond Type: **Partly Incised**

NPDES Permit & Outfall #: **CO-0000213**

CDRM & S #: **C-1981-008**

Date Examined: **17-April-2018**

Date Last Examined: **25-January-2018**

Location Description: **One mile West of Nucla**

Legal Location: **Sec 6 of T46N R15W**

Inspector's Name: **Frank Ferris**

***Circle or Write appropriate Response***

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

Comments: **Water in pond, not discharging**

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Name: **Pond 008**

Pond Type: **Partly Incised**

NPDES Permit & Outfall #: **CO-0000213**

CDRM & S #: **C-1981-008**

Date Examined: **17-April-2018**

Date Last Examined: **25-January-2018**

Location Description: **1.5 miles West of Nucla**

Legal Location: **Sec 6 of T46N R15W**

Inspector's Name: **Frank Ferris**

### *Circle or Write appropriate Response*

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

Comments:

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Pond Name: **Pond 009**

NPDES Permit & Outfall #: **CO-0000213**

Date Examined: **12-April-2018**

Location Description: **2 miles NW of Nucla**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Type: **Partly Incised**

CDRM & S #: **C-1981-008**

Date Last Examined: **25-January-2018**

Legal Location: **Sec 36 of T47N R16W**

Inspector's Name: **Frank Ferris**

***Circle or Write appropriate Response***

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

Comments: **dry**

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**  
 Pond Name: **Pond 012**  
 NPDES Permit & Outfall #: **CO-0000213**  
 Date Examined: **17-April-2018**  
 Location Description: **2 miles NW of Nucla**

Owner's Rep.: **Frank Ferris, Mine Manager**  
 Pond Type: **Partly Incised**  
 CDRM & S #: **C-1981-008**  
 Date Last Examined: **25-January-2018**  
 Legal Location: **Sec 36 of T47N R16W**  
 Inspector's Name: **Frank Ferris**

***Circle or Write appropriate Response***

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

Comments: **dry**

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Name: **Pond 013**

Pond Type: **Partly Incised**

NPDES Permit & Outfall #: **CO-0000213**

CDRM & S #: **C-1981-008**

Date Examined: **12-April-2018**

Date Last Examined: **25-January-2018**

Location Description: **2 miles West of Nucla**

Legal Location: **Sec 36 of T47N R16W**

Inspector's Name: **Frank Ferris**

***Circle or Write appropriate Response***

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

Comments: **Pond discharging, cleared weeds from valves**

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Name: **Pond 015**

Pond Type: **Partly Incised**

NPDES Permit & Outfall #: **CO-0000213**

CDRM & S #: **C-1981-008**

Date Examined: **17-April-2018**

Date Last Examined: **25-January-2018**

Location Description: **2 miles West of Nucla**

Legal Location: **Sec 36 of T47N R16W**

Inspector's Name: **Frank Ferris**

**Circle or Write appropriate Response**

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

Comments: **Dry**

## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Name: **Pond 016**

Pond Type: **Partly Incised**

NPDES Permit & Outfall #: **CO-0000213**

CDRM & S #: **C-1981-008**

Date Examined: **12-April-2018**

Date Last Examined: **25-January-2018**

Location Description: **2 miles West of Nucla**

Legal Location: **Sec 36 of T47N R16W**

Inspector's Name: **Frank Ferris**

***Circle or Write appropriate Response***

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

Comments: **Dry**



## POND EXAMINATION FORM, 2nd QUARTER 2018

Mine: **New Horizon 2 Mine**

Owner's Rep.: **Frank Ferris, Mine Manager**

Pond Name: **Pond 018**

Pond Type: **Partly Incised**

NPDES Permit & Outfall #: **CO-0000213**

CDRM & S #: **C-1981-008**

Date Examined: **17-April-2018**

Date Last Examined: **25-January-2018**

Location Description: **0.1 miles West of Nucla**

Legal Location: **Sec 6 of T46N R15W**

Inspector's Name: **Frank Ferris**

**Circle or Write appropriate Response**

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

Comments: **Dry**