



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

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

November 21, 2017

VIA Electronic Mail

Mr. Brock Bowles  
Division of Reclamation, Mining, & Safety  
Coal Program Support Staff  
1313 Sherman Street, RM 215  
Denver, Colorado 80203

RE: October 2017 Discharge Monitoring Report Submittal  
CDPS Permit #CO-0000213  
Elk Ridge Mining and Reclamation, New Horizon Mine  
DRMS Mine Permit #C-1981-008

Dear Mr. Bowles:

Enclosed are the Discharge Monitoring Reports (DMR) for the Elk Ridge Mining and Reclamation, LLC, New Horizon Mine CDPS Permit No. CO-0000213 for October 2017. Tri-State Generation and Transmission Association, Inc. (Tri-State) is the parent to Elk Ridge Mining and Reclamation. The enclosed October DMRs were submitted electronically through the EPA's NetDMR program.

If you have any questions about the enclosed reports, please contact Darlene Crosby at 303-254-3055.

Sincerely,

Daniel J. Casiraro  
Senior Manager  
Environmental Services

DJC:DC:der

Enclosures

cc: Darlene Crosby (via email)  
Tom Fry (via email)  
Chantell Johnson (via email)

**AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER**

A Touchstone Energy Cooperative

**CRAIG STATION**  
P.O. BOX 1307  
CRAIG, CO 81626-1307  
970-824-4411

**ESCALANTE STATION**  
P.O. BOX 577  
PREWITT, NM 87045  
505-972-5200

**NUCLA STATION**  
P.O. BOX 698  
NUCLA, CO 81424-0698  
970-864-7316

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695  
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE  
NUCLA, CO 81424

Permitted Feature:

012  
External Outfall

Discharge:

012-A  
SR and Mine Drainage to Tuttle Draw

Report Dates & Status

Monitoring Period:

From 10/01/17 to 10/31/17

DMR Due Date:

11/28/17

Status:

NetDMR Validated

Considerations for Form Completion

TSS & Fe limits will be waived & settleable solids limit applied for 10YR/24HR precip event - see pp 8-9 for requirements.

Principal Executive Officer

First Name:

Barbara

Last Name:

Walz

Title:

SVP, Policy and Compliance, CCO

Telephone:

303-452-6111

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                          | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                  |             |                  |              | Quality or Concentration |                  |             |                  |             |                  |           | # of Ex. | Frequency of Analysis   | Sample Type |
|-----------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|------------------|-------------|------------------|--------------|--------------------------|------------------|-------------|------------------|-------------|------------------|-----------|----------|-------------------------|-------------|
| Code      | Name                                     |                     |          |             |             | Qualifier 1         | Value 1          | Qualifier 2 | Value 2          | Units        | Qualifier 1              | Value 1          | Qualifier 2 | Value 2          | Qualifier 3 | Value 3          | Units     |          |                         |             |
| 00400     | pH                                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              | >=                       | 6.5 MINIMUM      |             |                  | <=          | 9 MAXIMUM        | 12 - SU   |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          | C - No Discharge |             |                  |             | C - No Discharge |           |          |                         |             |
| 00530     | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 35 30DA AVG      | <=          | 70 MX 7D AV      | 19 - mg/L |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                         |             |
| 00980     | Iron, total recoverable                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 3000 30DA AVG    | <=          | 6000 DAILY MX    | 28 - ug/L |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                         |             |
| 03582     | Oil and grease                           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 77/77 - Contingent      | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             |                  | <=          | 10 INST MAX      | 19 - mg/L |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             |                  |             | C - No Discharge |           |          |                         |             |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/30 - Monthly         | IN - INSTAN |
|           |                                          |                     |          |             | Permit Req. | <=                  | 1.09 30DA AVG    |             | Req Mon DAILY MX | 03 - MGD     |                          |                  |             |                  |             |                  |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     | C - No Discharge |             | C - No Discharge |              |                          |                  |             |                  |             |                  |           |          |                         |             |
| 84066     | Oil and grease visual                    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly          | VI - VISUAL |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             | Req Mon INST MAX | 9P - N=0;Y=1 |                          |                  |             |                  |             |                  |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             | C - No Discharge |              |                          |                  |             |                  |             |                  |           |          |                         |             |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Elk Ridge Mining and Reclamation LLC

User:

dcrosby@tristategt.org

Name:

Darlene Crosby

E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-11-22 14:10 (Time Zone: -07:00)

Report Last Signed By

User:

BARBARAWALZ1

Name:

Barbara Walz

E-Mail:

bwalz@tristategt.org

Date/Time:

2017-11-28 13:07 (Time Zone: -07:00)

DMR Copy of Record

Permit

Permit #:

CO0000213

Major:

No

Permittee:

Elk Ridge Mining and Reclamation LLC

Permittee Address:

PO Box 33695  
Denver, CO 80233-0695

Facility:

NEW HORIZON MINE

Facility Location:

27646 W 5 AVE  
NUCLA, CO 81424

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013  
External Outfall

Discharge:

013-A  
SR & Mine Drainage to Tuttle Draw

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TSS & Fe limits will be waived & settleable solids limit applied for 10YR/24HR precip event - see pg 7 for requirements.

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| Parameter |                                          | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |               |             |                  | Quality or Concentration |             |             |             |                  |             |                                                       | # of Ex.  | Frequency of Analysis | Sample Type             |             |
|-----------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|---------------|-------------|------------------|--------------------------|-------------|-------------|-------------|------------------|-------------|-------------------------------------------------------|-----------|-----------------------|-------------------------|-------------|
| Code      | Name                                     |                     |          |             |             | Qualifier 1         | Value 1       | Qualifier 2 | Value 2          | Units                    | Qualifier 1 | Value 1     | Qualifier 2 | Value 2          | Qualifier 3 | Value 3                                               | Units     |                       |                         |             |
| 00400     | pH                                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          | =           | 6.75        |             |                  | =           | 7.02                                                  | 12 - SU   |                       | 06/30 - Six Per Month   | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          | >=          | 6.5 MINIMUM |             |                  | <=          | 9 MAXIMUM                                             | 12 - SU   | 0                     | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 00978     | Arsenic, total recoverable               | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          |             |             | =           | 1.9              |             |                                                       | 28 - ug/L |                       | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          |             |             |             | Req Mon 30DA AVG |             |                                                       | 28 - ug/L | 0                     | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 00980     | Iron, total recoverable                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          |             |             | =           | 1210             | =           | 1210                                                  | 28 - ug/L |                       | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          |             |             | <=          | 3000 30DA AVG    | <=          | 6000 DAILY MX                                         | 28 - ug/L | 0                     | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 01303     | Zinc, potentially dissolved              | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          |             |             | =           | 11               | =           | 11                                                    | 28 - ug/L |                       | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          |             |             |             | Req Mon 30DA AVG |             | Req Mon DAILY MX                                      | 28 - ug/L | 0                     | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 01319     | Manganese, potentially dissolvd          | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          |             |             | =           | 662              | =           | 685                                                   | 28 - ug/L |                       | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          |             |             | <=          | 4120 30DA AVG    | <=          | 4738 DAILY MX                                         | 28 - ug/L | 0                     | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 01323     | Selenium, potentially dissolvd           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          |             |             | =           | 0.15             | =           | 0.3                                                   | 28 - ug/L |                       | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          |             |             | <=          | 26 30DA AVG      | <=          | 26 DAILY MX                                           | 28 - ug/L | 0                     | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 03582     | Oil and grease                           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
|           |                                          |                     |          |             | Permit Req. |                     |               |             |                  |                          |             |             |             |                  | <=          | 10 INST MAX                                           | 19 - mg/L |                       | 77/77 - Contingent      | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             | 9 - Conditional Monitoring - Not Required This Period |           |                       |                         |             |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 1.112         | =           | 1.405            | 03 - MGD                 |             |             |             |                  |             |                                                       |           |                       | 01/01 - Daily           | IN - INSTAN |
|           |                                          |                     |          |             | Permit Req. | <=                  | 1.44 30DA AVG |             | Req Mon DAILY MX | 03 - MGD                 |             |             |             |                  |             |                                                       |           | 0                     | 01/30 - Monthly         | IN - INSTAN |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |
| 84066     | Oil and grease visual                    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               | =           | 0                | AB - abst=0;prst=1       |             |             |             |                  |             |                                                       |           |                       | 06/30 - Six Per Month   | VI - VISUAL |
|           |                                          |                     |          |             | Permit Req. |                     |               |             | Req Mon INST MAX | AB - abst=0;prst=1       |             |             |             |                  |             |                                                       |           | 0                     | 02/30 - Twice Per Month | VI - VISUAL |
|           |                                          |                     |          |             | Value NODI  |                     |               |             |                  |                          |             |             |             |                  |             |                                                       |           |                       |                         |             |

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dcrosby@tristategt.org

Name:

Darlene Crosby

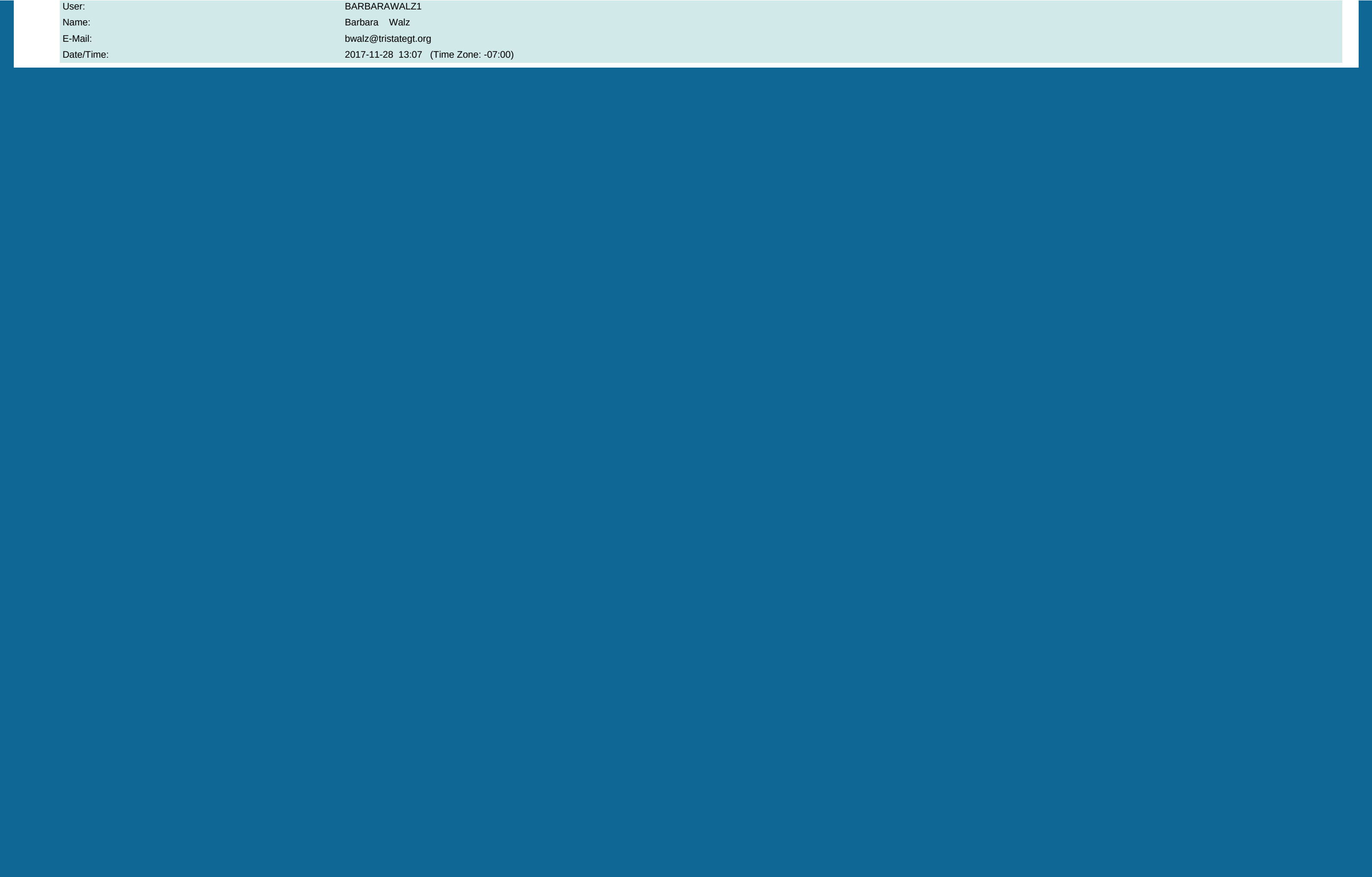
E-Mail:

dcrosby@tristategt.org

Date/Time:

2017-11-22 14:10 (Time Zone: -07:00)

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Discharge:

016-A  
SR & Mine Drainage Tributary to Tuttle Draw

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dcrosby@tristategt.org

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BARBARAWALZ1

User:

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Name:

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bwalz@tristategt.org

Date/Time:

2017-11-28 13:07 (Time Zone: -07:00)