

DMR Copy of Record

Permit

Permit #:

CO0027154

Major:

Yes

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27  
Oak Creek, CO 80467

Facility:

MINES 1&2 AND ECKMAN PARK MINE

Facility Location:

29515 RCR #27  
ROUTT COUNTY, CO 80467

Permitted Feature:

002  
External Outfall

Discharge:

002-A  
MINE 1, POND T TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

ALTERNATE LIMITS FOR TSS (MLOC=O) APPLY IF 10YR/24HR PRECIP EVENT CLAIMED. ALTERNATE LIMITS FOR IRON &SETTLEABLE SOLIDS (MLOC=O) APPLY ONLY IF <=10YR,24HR PRECIP. EVENT CLAIMED. OIL & GREASE - SEE I.C.19,PAGE 16.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | 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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 35 30DA AVG      | <=          | 70 DAILY MX      | 19 - mg/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00530     | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00545     | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG | <=          | .5 DAILY MX      | 25 - mL/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00545     | Solids, settleable                       | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 25 - mL/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 01045     | Iron, total [as Fe]                      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 3500 30DA AVG    | <=          | 7000 DAILY MX    | 28 - ug/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 01045     | Iron, total [as Fe]                      | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon 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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 99/99 - Continuous    | RC - Recorder (auto) |
|           |                                          |                     |          |             | Permit Req. |                     | Req Mon 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

Twentymile Coal LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

|                              |                                      |
|------------------------------|--------------------------------------|
| Date/Time:                   | 2019-08-27 08:48 (Time Zone: -06:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                        | Miranda Kawcak                       |
| E-Mail:                      | mblomquist@peabodyenergy.com         |
| Date/Time:                   | 2019-08-27 09:43 (Time Zone: -06:00) |

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External Outfall

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First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

| Code  | Parameter                                | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                  |             |                  |          | Quality or Concentration |             |             |                                                       |             |                                                       |           | # of Ex. | Frequency of Analysis | Sample Type          |
|-------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|------------------|-------------|------------------|----------|--------------------------|-------------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|----------|-----------------------|----------------------|
|       | 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      |                     |                  |             |                  |          | =                        | 8.3         |             |                                                       | =           | 8.5                                                   | 12 - SU   | 0        | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          | >=                       | 6.5 MINIMUM |             |                                                       | <=          | 9 MAXIMUM                                             | 12 - SU   |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          |                       |                      |
| 00530 | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |             | =           | 16.7                                                  | =           | 22                                                    | 19 - mg/L | 0        | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |             | <=          | 35 30DA AVG                                           | <=          | 70 DAILY MX                                           | 19 - mg/L |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          |                       |                      |
| 00530 | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 19 - mg/L |          |                       |                      |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |          |                       |                      |
| 00545 | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |             | <           | 0.1                                                   | <           | 0.1                                                   | 25 - mL/L | 0        | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      | <=          | .5 DAILY MX                                           | 25 - mL/L |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          |                       |                      |
| 00545 | Solids, settleable                       | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 25 - mL/L |          |                       |                      |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |          |                       |                      |
| 01045 | Iron, total [as Fe]                      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |             | =           | 493                                                   | =           | 630                                                   | 28 - ug/L | 0        | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |             | <=          | 3500 30DA AVG                                         | <=          | 7000 DAILY MX                                         | 28 - ug/L |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          |                       |                      |
| 01045 | Iron, total [as Fe]                      | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          | 01/07 - Weekly        | GR - GRAB            |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 28 - ug/L |          |                       |                      |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |          |                       |                      |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.0053           | =           | 0.0128           | 03 - MGD |                          |             |             |                                                       |             |                                                       |           | 0        | 01/07 - Weekly        | IN - INSTAN          |
|       |                                          |                     |          |             | Permit Req. |                     | Req Mon 30DA AVG |             | Req Mon DAILY MX | 03 - MGD |                          |             |             |                                                       |             |                                                       |           |          | 99/99 - Continuous    | RC - Recorder (auto) |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |             |             |                                                       |             |                                                       |           |          |                       |                      |

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

Outfall only flowed the 1st, 2nd, and 4th weeks of July Approved permit modification allows for flow to be monitored instantaneously on a weekly basis.

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Attachments</b>           |                                      |
| No attachments.              |                                      |
| <b>Report Last Saved By</b>  |                                      |
| <b>Twentymile Coal LLC</b>   |                                      |
| User:                        | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                        | Miranda Kawcak                       |
| E-Mail:                      | mblomquist@peabodyenergy.com         |
| Date/Time:                   | 2019-08-27 09:32 (Time Zone: -06:00) |
| <b>Report Last Signed By</b> |                                      |
| User:                        | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                        | Miranda Kawcak                       |
| E-Mail:                      | mblomquist@peabodyenergy.com         |
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Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | 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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 35 30DA AVG      | <=          | 70 DAILY MX      | 19 - mg/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00530     | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00545     | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG | <=          | .5 DAILY MX      | 25 - mL/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00545     | Solids, settleable                       | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 25 - mL/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 01045     | Iron, total [as Fe]                      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 3500 30DA AVG    | <=          | 7000 DAILY MX    | 28 - ug/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 01045     | Iron, total [as Fe]                      | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon 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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 99/99 - Continuous    | RC - Recorder (auto) |
|           |                                          |                     |          |             | Permit Req. |                     | Req Mon 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 |              |                          |                  |             |                  |             |                  |           |          |                       |                      |

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Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27  
Oak Creek, CO 80467

Facility:

MINES 1&2 AND ECKMAN PARK MINE

Facility Location:

29515 RCR #27  
ROUTT COUNTY, CO 80467

Permitted Feature:

005  
External Outfall

Discharge:

005-A  
MINE 1, POND D TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

ALTERNATE LIMITS FOR TSS (MLOC=O) APPLY IF 10YR,24HR PRECIP EVENT CLAIMED. ALTERNATE LIMITS FOR IRON &SETTLEABLE SOLIDS (MLOC=O) APPLY ONLY IF <=10YR/24HR PRECIP. EVENT CLAIMED. OIL & GREASE - SEE I.C.19,PAGE 16.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

| Code  | Parameter                                | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |               |             |                  |          | Quality or Concentration |             |             |                                                       |             |                                                       |           |   | # of Ex.                | Frequency of Analysis | Sample Type |
|-------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|---------------|-------------|------------------|----------|--------------------------|-------------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|---|-------------------------|-----------------------|-------------|
|       | 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      |                     |               |             |                  |          | =                        | 8.1         |             |                                                       | =           | 8.4                                                   | 12 - SU   | 0 | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Permit Req. |                     |               |             |                  |          | >=                       | 6.5 MINIMUM |             |                                                       | <=          | 9 MAXIMUM                                             | 12 - SU   |   | 02/30 - Twice Per Month | GR - GRAB             |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |
| 00530 | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |          |                          |             | =           | 7.8                                                   | =           | 10                                                    | 19 - mg/L | 0 | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Permit Req. |                     |               |             |                  |          |                          |             | <=          | 35 30DA AVG                                           | <=          | 70 DAILY MX                                           | 19 - mg/L |   | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |
| 00530 | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |
|       |                                          |                     |          |             | Permit Req. |                     |               |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 19 - mg/L |   | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |   |                         |                       |             |
| 00545 | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |          |                          |             | <           | 0.1                                                   | <           | 0.1                                                   | 25 - mL/L | 0 | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Permit Req. |                     |               |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      | <=          | .5 DAILY MX                                           | 25 - mL/L |   | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |
| 00545 | Solids, settleable                       | O - See Comments    | 0        | --          | Sample      |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |
|       |                                          |                     |          |             | Permit Req. |                     |               |             |                  |          |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 25 - mL/L |   | 01/07 - Weekly          | GR - GRAB             |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |   |                         |                       |             |
| 00980 | Iron, total recoverable                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |               |             |                  |          |                          |             | <           | 35                                                    | =           | 40                                                    | 28 - ug/L | 0 | 02/30 - Twice Per Month | GR - GRAB             |             |
|       |                                          |                     |          |             | Permit Req. |                     |               |             |                  |          |                          |             | <=          | 1000 30DA AVG                                         |             | Req Mon DAILY MX                                      | 28 - ug/L |   | 02/30 - Twice Per Month | GR - GRAB             |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.0884        | =           | 0.2795           | 03 - MGD |                          |             |             |                                                       |             |                                                       |           | 0 | 01/07 - Weekly          | IN - INSTAN           |             |
|       |                                          |                     |          |             | Permit Req. | <=                  | 4.55 30DA AVG |             | Req Mon DAILY MX | 03 - MGD |                          |             |             |                                                       |             |                                                       |           |   | 99/99 - Continuous      | RC - Recorder (auto)  |             |
|       |                                          |                     |          |             | Value NODI  |                     |               |             |                  |          |                          |             |             |                                                       |             |                                                       |           |   |                         |                       |             |

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

Approved permit modification allows for flow to be monitored instantaneously on a weekly basis

Attachments

No attachments.

Report Last Saved By

| Twentymile Coal LLC   |                                      |
|-----------------------|--------------------------------------|
| User:                 | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                 | Miranda Kawcak                       |
| E-Mail:               | mblomquist@peabodyenergy.com         |
| Date/Time:            | 2019-08-27 09:40 (Time Zone: -06:00) |
| Report Last Signed By |                                      |
| User:                 | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                 | Miranda Kawcak                       |
| E-Mail:               | mblomquist@peabodyenergy.com         |
| Date/Time:            | 2019-08-27 09:43 (Time Zone: -06:00) |



DMR Copy of Record

Permit

Permit #:

CO0027154

Major:

Yes

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27  
Oak Creek, CO 80467

Facility:

MINES 1&2 AND ECKMAN PARK MINE

Facility Location:

29515 RCR #27  
ROUTT COUNTY, CO 80467

Permitted Feature:

006  
External Outfall

Discharge:

006-A  
MINE 1, POND E TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

ALTERNATE LIMITS FOR TSS (MLOC=O) APPLY IF 10YR/24HR PRECIP EVENT CLAIMED. ALTERNATE LIMITS FOR IRON &SETTLEABLE SOLIDS (MLOC=O) APPLY ONLY IF <=10YR,24HR PRECIP. EVENT CLAIMED. OIL & GREASE - SEE I.C.19,PAGE 16.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI: --

| Code  | Parameter                                | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                  |             |                  |              | Quality or Concentration |             |             |                                                       |             |                                                       |           |   | # of Ex.           | Frequency of Analysis            | Sample Type |
|-------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|------------------|-------------|------------------|--------------|--------------------------|-------------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|---|--------------------|----------------------------------|-------------|
|       | 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      |                     |                  |             |                  |              | =                        | 8           |             |                                                       | =           | 8.4                                                   | 12 - SU   | 0 | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              | >=                       | 6.5 MINIMUM |             |                                                       | <=          | 9 MAXIMUM                                             | 12 - SU   |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
| 00530 | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             | =           | 14                                                    | =           | 14                                                    | 19 - mg/L | 0 | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             | <=          | 35 30DA AVG                                           | <=          | 70 DAILY MX                                           | 19 - mg/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
| 00530 | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 19 - mg/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |   |                    |                                  |             |
| 00545 | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             | <           | 0.1                                                   | <           | 0.1                                                   | 25 - mL/L | 0 | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             |             | Req Mon 30DA AVG                                      | <=          | .5 DAILY MX                                           | 25 - mL/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
| 00545 | Solids, settleable                       | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 25 - mL/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |   |                    |                                  |             |
| 01045 | Iron, total [as Fe]                      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             | =           | 600                                                   | =           | 600                                                   | 28 - ug/L | 0 | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             | <=          | 3500 30DA AVG                                         | <=          | 7000 DAILY MX                                         | 28 - ug/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
| 01045 | Iron, total [as Fe]                      | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   | 01/07 - Weekly     | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             |             | Req Mon 30DA AVG                                      |             | Req Mon DAILY MX                                      | 28 - ug/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             | 9 - Conditional Monitoring - Not Required This Period |             | 9 - Conditional Monitoring - Not Required This Period |           |   |                    |                                  |             |
| 03582 | Oil and grease                           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   | 77/77 - Contingent | GR - GRAB                        |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |             |             |                                                       | <=          | 10 INST MAX                                           | 19 - mg/L |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             |                                                       |             | 9 - Conditional Monitoring - Not Required This Period |           |   |                    |                                  |             |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.0017           | =           | 0.0087           | 03 - MGD     |                          |             |             |                                                       |             |                                                       |           | 0 | 01/07 - Weekly     | IN - INSTAN RC - Recorder (auto) |             |
|       |                                          |                     |          |             | Permit Req. |                     | Req Mon 30DA AVG |             | Req Mon DAILY MX | 03 - MGD     |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
|       |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
| 84066 | Oil and grease visual                    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  | =           | 0                | 9P - N=0;Y=1 |                          |             |             |                                                       |             |                                                       |           | 0 | 01/07 - Weekly     | VI - VISUAL                      |             |
|       |                                          |                     |          |             | Permit Req. |                     |                  |             | Req Mon INST MAX | 9P - N=0;Y=1 |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |
|       |                                          |                     |          |             |             |                     |                  |             |                  |              |                          |             |             |                                                       |             |                                                       |           |   |                    |                                  |             |

[illegible]

DMR Copy of Record

Permit

Permit #:

CO0027154

Major:

Yes

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27  
Oak Creek, CO 80467

Facility:

MINES 1&2 AND ECKMAN PARK MINE

Facility Location:

29515 RCR #27  
ROUTT COUNTY, CO 80467

Permitted Feature:

007  
External Outfall

Discharge:

007-A  
MINE 1, POND F TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

ALTERNATE LIMITS FOR TSS & IRON (MLOC=O) APPLY IF 10YR,24HR PRECIP. EVENT CLAIMED. ALTERNATE LIMITS FORSETTLEABLE SOLIDS (MLOC=O) APPLY ONLY IF >10YR,24HR PRECIP EVENT CLAIMED. OIL & GREASE - SEE I.C.19,PAGE 16.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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      |                     |                  |             |                  |          |                          |                  |             |                  |             |                  |           |          | 01/30 - Monthly         | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |                  | <=          | 35 30DA AVG      | <=          | 70 DAILY MX      | 19 - mg/L |          |                         |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                         |                      |
| 00530     | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |          |                          |                  |             |                  |             |                  |           |          | 01/30 - Monthly         | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                         |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                         |                      |
| 00980     | Iron, total recoverable                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |                  |             |                  |             |                  |           |          | 01/30 - Monthly         | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |                  | <=          | 1000 30DA AVG    |             | Req Mon DAILY MX | 28 - ug/L |          |                         |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                         |                      |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |                  |             |                  |             |                  |           |          | 99/99 - Continuous      | RC - Recorder (auto) |
|           |                                          |                     |          |             | Permit Req. | <=                  | 2.97 30DA AVG    |             | Req Mon DAILY MX | 03 - MGD |                          |                  |             |                  |             |                  |           |          |                         |                      |
|           |                                          |                     |          |             | Value NODI  |                     | C - No Discharge |             | 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

Twentymile Coal LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2019-08-27 08:49 (Time Zone: -06:00)

Report Last Signed By

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2019-08-27 09:43 (Time Zone: -06:00)

DMR Copy of Record

Permit

Permit #:

CO0027154

Major:

Yes

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27  
Oak Creek, CO 80467

Facility:

MINES 1&2 AND ECKMAN PARK MINE

Facility Location:

29515 RCR #27  
ROUTT COUNTY, CO 80467

Permitted Feature:

008  
External Outfall

Discharge:

008-A  
MINE 1, POND G TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

ALTERNATE LIMITS FOR TSS (MLOC=O) APPLY IF 10YR,24HR PRECIP EVENT CLAIMED. ALTERNATE LIMITS FOR IRON &SETTLEABLE SOLIDS (MLOC=O) APPLY ONLY IF <=10YR,24HR PRECIP. EVENT CLAIMED. OIL & GREASE - SEE I.C.19,PAGE 16.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | 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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 35 30DA AVG      | <=          | 70 DAILY MX      | 19 - mg/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00530     | Solids, total suspended                  | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00545     | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG | <=          | .5 DAILY MX      | 25 - mL/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 00545     | Solids, settleable                       | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 25 - mL/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 01045     | Iron, total [as Fe]                      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  | <=          | 3500 30DA AVG    | <=          | 7000 DAILY MX    | 28 - ug/L |          |                       |                      |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |              |                          |                  |             | C - No Discharge |             | C - No Discharge |           |          |                       |                      |
| 01045     | Iron, total [as Fe]                      | O - See Comments    | 0        | --          | Sample      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 01/07 - Weekly        | GR - GRAB            |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |              |                          |                  |             | Req Mon 30DA AVG |             | Req Mon 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      |                     |                  |             |                  |              |                          |                  |             |                  |             |                  |           |          | 99/99 - Continuous    | RC - Recorder (auto) |
|           |                                          |                     |          |             | Permit Req. |                     | Req Mon 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

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Twentymile Coal LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

|                              |                                      |
|------------------------------|--------------------------------------|
| Date/Time:                   | 2019-08-27 08:49 (Time Zone: -06:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                        | Miranda Kawcak                       |
| E-Mail:                      | mblomquist@peabodyenergy.com         |
| Date/Time:                   | 2019-08-27 09:43 (Time Zone: -06:00) |

DMR Copy of Record

Permit

Permit #:

CO0027154

Major:

Yes

Permittee:

Twentymile Coal LLC

Permittee Address:

29515 Routt CR 27  
Oak Creek, CO 80467

Facility:

MINES 1&2 AND ECKMAN PARK MINE

Facility Location:

29515 RCR #27  
ROUTT COUNTY, CO 80467

Permitted Feature:

MON  
External Outfall

Discharge:

MON-5  
MINE 1, POND D TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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    |                       |             |
| 01002     | Arsenic, total [as As]                    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | =       | 0.6              | =       | 0.6              | 28 - ug/L |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA AVG |         | Req Mon DAILY MX | 28 - ug/L | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |                  |         |                  |           |          |                       |             |
| 01303     | Zinc, potentially dissolved               | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | <       | 10               | <       | 10               | 28 - ug/L |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA AVG |         | Req Mon DAILY MX | 28 - ug/L | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |                  |         |                  |           |          |                       |             |
| 01314     | Chromium, trivalent, potentially dissolvd | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | <       | 0.5              | <       | 0.5              | 28 - ug/L |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA AVG |         | Req Mon DAILY MX | 28 - ug/L | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |                  |         |                  |           |          |                       |             |
| 01318     | Lead, potentially dissolvd                | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | <       | 0.1              | <       | 0.1              | 28 - ug/L |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA AVG |         | Req Mon DAILY MX | 28 - ug/L | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |                  |         |                  |           |          |                       |             |
| 01322     | Nickel, potentially dissolvd              | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | =       | 18               | =       | 18               | 28 - ug/L |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA AVG |         | Req Mon DAILY MX | 28 - ug/L | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |                  |         |                  |           |          |                       |             |
| 01323     | Selenium, potentially dissolvd            | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          | =       | 5.4              | =       | 5.4              | 28 - ug/L |          | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         | Req Mon 30DA AVG |         | Req Mon DAILY MX | 28 - ug/L | 0        | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |                  |         |                  |           |          |                       |             |

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Twentymile Coal LLC

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2019-08-27 09:42 (Time Zone: -06:00)

Report Last Signed By

User:

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Name:

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E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2019-08-27 09:43 (Time Zone: -06:00)



DMR Copy of Record

Permit

Permit #:

CO0027154

Major:

Yes

Permittee:

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29515 Routt CR 27  
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MINES 1&2 AND ECKMAN PARK MINE

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MON-7  
MINE 1, POND F TO FOIDEL CREEK

Report Dates & Status

Monitoring Period:

From 07/01/19 to 07/31/19

DMR Due Date:

08/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

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     |                       |             |
| 01002     | Arsenic, total [as As]                    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |                  |           | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L |                       |             |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             | C - No Discharge |           |                       |             |
| 01303     | Zinc, potentially dissolved               | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |                  |           | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L |                       |             |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             | C - No Discharge |           |                       |             |
| 01314     | Chromium, trivalent, potentially dissolvd | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |                  |           | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L |                       |             |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             | C - No Discharge |           |                       |             |
| 01318     | Lead, potentially dissolvd                | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |                  |           | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L |                       |             |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             | C - No Discharge |           |                       |             |
| 01322     | Nickel, potentially dissolvd              | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |                  |           | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L |                       |             |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             | C - No Discharge |           |                       |             |
| 01323     | Selenium, potentially dissolvd            | 1 - Effluent Gross  | 0        | --          | Sample      |                     |         |             |         |       |                          |         |             |                  |             |                  |           | 01/30 - Monthly       | GR - GRAB   |
|           |                                           |                     |          |             | Permit Req. |                     |         |             |         |       |                          |         |             | Req Mon 30DA AVG |             | Req Mon DAILY MX | 28 - ug/L |                       |             |
|           |                                           |                     |          |             | Value NODI  |                     |         |             |         |       |                          |         |             | C - No Discharge |             | C - No Discharge |           |                       |             |

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