

DMR Copy of Record

Permit

Permit #:

CO0042161

Major:

No

Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27  
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27  
OAK CREEK, CO 80467

Permitted Feature:

001  
External Outfall

Discharge:

001-A  
POND DISCHARGE TO FISH CREEK

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

Status:

NetDMR Validated

Considerations for Form Completion

OIL & GREASE GRAB SAMPLE REQUIERD IF VISIBLE SHEEN IS OBSERVED - SEE I.C.18. SALINITY MONITORING - SEEI.B.2. QRTRLY SAMPLING INSTRUCTIONS - I.C.10. REPORT RESULTS ON MARCH, JUNE, SEPT. AND DEC DRMS. 30DAY AVG IS HIGHEST MONTHLY AVG DURING PERIOD REPORTED

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form 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

Attachments

No attachments.

Report Last Saved By

Twentymile Coal Company

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

Date/Time:

2020-01-24 07:44 (Time Zone: -07:00)

Report Last Signed By



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CO0042161

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Twentymile Coal Company

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29515 CR 27  
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27  
OAK CREEK, CO 80467

Permitted Feature:

001  
External Outfall

Discharge:

001-W  
ACUTE WET TESTING FOR 001A

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

Status:

NetDMR Validated

Considerations for Form Completion

SEE PART I.A.4, PP 6-8 FOR DETAILSO F TEST PROCEDURE. REPORT LC50 -STAT. POINT ESTIMATE WHICH IS LETHALTO 50% OF TEST ORGANISMS AND ATTACH ACUTE TOXICITY REPORT FORM TO DMR.

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

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Comments

Attachments

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Twentymile Coal Company

User:

Name:

E-Mail:

Date/Time:

MBLOMQUIST@PEABODYENERGY.COM

Miranda Kawcak

mblomquist@peabodyenergy.com

2020-01-24 07:43 (Time Zone: -07:00)

Report Last Signed By

User:

Name:

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Date/Time:

MBLOMQUIST@PEABODYENERGY.COM

Miranda Kawcak

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2020-01-28 12:15 (Time Zone: -07:00)

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Permit

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CO0042161

Major:

No

Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27  
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27  
OAK CREEK, CO 80467

Permitted Feature:

002  
External Outfall

Discharge:

002-A  
DOMESTIC WASTE TO EMERALD SPGS

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

Status:

NetDMR Validated

Considerations for Form Completion

30 DAY AVG IS HIGHEST MONTHLY AVERAGE DURING PERIOD REPORTED. OIL & GREASE GRAB SAMPLE REQUIRED IFVISIBLE SHEEN IS OBSERVED.

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        |          |                         |             |
| X 00154   | Sulfate [as S]                           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |             | =                | 276.0          |              |                | 19 - mg/L    | 1        | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |             | <=               | 250.0 30DA AVG |              |                | 19 - mg/L    |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 00310     | BOD, 5-day, 20 deg. C                    | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.06           | =           | 0.098            | 26 - lb/d |                          |             | =                | 10.0           | =            | 11.0           | 19 - mg/L    | 0        | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. | <=                  | 3.8 30DA AVG   | <=          | 5.6 MX 7D AV     | 26 - lb/d |                          |             | <=               | 30.0 30DA AVG  | <=           | 45.0 MX 7D AV  | 19 - mg/L    |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 00400     | pH                                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           | =                        | 8.1         |                  |                | =            | 8.5            | 12 - SU      | 0        | 01/07 - Weekly          | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           | >=                       | 6.5 MINIMUM |                  |                | <=           | 8.5 MAXIMUM    | 12 - SU      |          | 01/07 - Weekly          | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 00530     | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |             | =                | 27.0           | =            | 32.0           | 19 - mg/L    | 0        | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |             | <=               | 75.0 30DA AVG  | <=           | 110.0 DAILY MX | 19 - mg/L    |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 00630     | Nitrite + Nitrate total [as N]           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |             | =                | 0.52           |              |                | 19 - mg/L    | 0        | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |             | <=               | 10.0 30DA AVG  |              |                | 19 - mg/L    |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 00940     | Chloride [as Cl]                         | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          |             | =                | 60.9           |              |                | 19 - mg/L    | 0        | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |             | <=               | 250.0 30DA AVG |              |                | 19 - mg/L    |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      | =                   | 0.001          | =           | 0.0015           | 03 - MGD  |                          |             |                  |                |              |                |              | 0        | 01/01 - Daily           | IN - INSTAN |
|           |                                          |                     |          |             | Permit Req. | <=                  | 0.015 30DA AVG |             | Req Mon DAILY MX | 03 - MGD  |                          |             |                  |                |              |                |              |          | 01/01 - Daily           | IN - INSTAN |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 50060     | Chlorine, total residual                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          | =           | 0.0              | =              | 0.0          |                | 19 - mg/L    | 0        | 01/07 - Weekly          | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |             | Req Mon 30DA AVG | <=             | 0.5 DAILY MX |                | 19 - mg/L    |          | 01/07 - Weekly          | GR - GRAB   |
|           |                                          |                     |          |             | Value NODI  |                     |                |             |                  |           |                          |             |                  |                |              |                |              |          |                         |             |
| 74055     | Coliform, fecal general                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |           |                          | =           | 0.0              |                |              |                | 13 - #/100mL | 0        | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                |             |                  |           |                          |             | Req Mon 30DA GM  |                |              |                | 13 - #/100mL |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | 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

| Parameter |                | Monitoring Location | Field                                   | Type | Description                                                            | Acknowledge |
|-----------|----------------|---------------------|-----------------------------------------|------|------------------------------------------------------------------------|-------------|
| Code      | Name           |                     |                                         |      |                                                                        |             |
| 00154     | Sulfate [as S] | 1 - Effluent Gross  | Quality or Concentration Sample Value 2 | Soft | The provided sample value is outside the permit limit. (Error Code: 1) | Yes         |

Comments

Outfall 002 only discharged 2 weeks in December. Sulfate was exceed in December but is now in compliance with the last sample taken in January.

Attachments

No attachments.

Report Last Saved By

Twentymile Coal Company

User:

MBLOMQUIST@PEABODYENERGY.COM

Name:

Miranda Kawcak

E-Mail:

mblomquist@peabodyenergy.com

|                              |                                      |
|------------------------------|--------------------------------------|
| Date/Time:                   | 2020-01-28 12:15 (Time Zone: -07:00) |
| <b>Report Last Signed By</b> |                                      |
| User:                        | MBLOMQUIST@PEABODYENERGY.COM         |
| Name:                        | Miranda Kawcak                       |
| E-Mail:                      | mblomquist@peabodyenergy.com         |
| Date/Time:                   | 2020-01-28 12:15 (Time Zone: -07:00) |

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Major:

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Permittee:

Twentymile Coal Company

Permittee Address:

29515 CR 27  
Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27  
OAK CREEK, CO 80467

Permitted Feature:

300  
Influent Structure

Discharge:

300-I  
INFLUENT MEASUREMENTS

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

Status:

NetDMR Validated

Considerations for Form Completion

INFLUENT SAMPLES MUST BE COLLECTED, ANALYZED AND REPORTED MONTHLY REGARDLESS OF WHETHER AN EFFLUENTDISCHARGE OCCURS. HYDRAULIC CAPACITY = 0.015 MGD; ORGANIC CAPACITY = 31.2 LBS BOD-5/DAY.

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     |          |                       |             |
| 00310     | BOD, 5-day, 20 deg. C                    | G - Raw Sewage Influent | 0        | --          | Sample      | =                   | 15.1             |             | 15.1             | 26 - lb/d |                          |         | =           | 182.0            |             | 182.0            | 19 - mg/L | 0        | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                         |          |             | Permit Req. |                     | Req Mon 30DA AVG |             | Req Mon MX 7D AV | 26 - lb/d |                          |         |             | Req Mon 30DA AVG |             | Req Mon MX 7D AV | 19 - mg/L |          | 01/30 - Monthly       | CP - COMPOS |
|           |                                          |                         |          |             | Value NODI  |                     |                  |             |                  |           |                          |         |             |                  |             |                  |           |          |                       |             |
| 50050     | Flow, in conduit or thru treatment plant | G - Raw Sewage Influent | 0        | --          | Sample      | =                   | 0.0114           |             | 0.0118           | 03 - MGD  |                          |         |             |                  |             |                  |           | 0        | 01/01 - Daily         | CN - CONTIN |
|           |                                          |                         |          |             | Permit Req. |                     | Req Mon 30DA AVG |             | Req Mon DAILY MX | 03 - MGD  |                          |         |             |                  |             |                  |           |          | 01/01 - Daily         | CN - CONTIN |
|           |                                          |                         |          |             | Value NODI  |                     |                  |             |                  |           |                          |         |             |                  |             |                  |           |          |                       |             |

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Comments

Attachments

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Twentymile Coal Company

User:

Name:

E-Mail:

Date/Time:

MBLOMQUIST@PEABODYENERGY.COM

Miranda Kawcak

mblomquist@peabodyenergy.com

2020-01-24 12:41 (Time Zone: -07:00)

Report Last Signed By

User:

Name:

E-Mail:

Date/Time:

MBLOMQUIST@PEABODYENERGY.COM

Miranda Kawcak

mblomquist@peabodyenergy.com

2020-01-28 12:15 (Time Zone: -07:00)

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Oak Creek, CO 80467

Facility:

FOIDEL CREEK MINE

Facility Location:

29515 CR 27  
OAK CREEK, CO 80467

Permitted Feature:

MON  
External Outfall

Discharge:

MON-1  
POND DISCHARGE TO FISH CREEK

Report Dates & Status

Monitoring Period:

From 10/01/19 to 12/31/19

DMR Due Date:

01/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Last Name:

Title:

Telephone:

No Data Indicator (NODI)

Form NODI:

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| Name:                        | Miranda Kawcak                       |
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| Date/Time:                   | 2020-01-28 12:15 (Time Zone: -07:00) |