



## Permit Application

### Type of permit applied for:

Grading and Excavating ☒

Cattle Guard Installation ☐

Adopt A Highway ☐

other ☐

Driveway ☒

Special Event ☐

Plow ☐

Utility Installation ☒

Oversize/Overweight ☐

Work in Right-of Way ☐

### Property Information

Project physical address: 29515 RCR27

City: Oak Creek

Parcel Number: 945283001 Section(s): 30, 31/25, 26, 36 Township: 5N, 86W/5N, 87W

Area to be disturbed: SWMD Borehole/Pipeline S 30, 3; WMD Borehole/Pipeline S 36, 25, 26;

### Owner/Applicant Information

Applicant/contractor: Twentymile Coal, LLC/Bower Bros.

Mailing Address: 29515 RCR27

City: Oak Creek

State: CO

Zip: 80467

Phone number: 970.870.2712

Email: inettleton@peabodyenergy.com

Property Owner: Sage Creek Land and Reserves, Camilletti & Sons

Mailing Address: Same/PO Box 69

City: Milner

State: CO

Zip: 80487

Phone Number: 970.879.0838

Email:

Contractor Name: Bower Bros.

Phone number: 970.824.2793

### Project Description:

Construction of short access road and two drill-pads, drilling and casing of two boreholes, installation of 10,630 feet of buried pipe, and operation of these components as part of a thickener underflow system. Access road will require a "Driveway" Permit, Pipeline will be bored or jacked under RCR27 and will require a "Utility" Permit, and the project will require a "Grading and Excavation" Permit.

## Utility Installation Permit (Acctg # 03.00.06.000.5668)

Permit Needed: For installation of public utilities in and adjacent to the Right of way. Private utilities are typically required to be bored not open cut. Private utility installation not generally permitted in right-of-way contact department for case specific information

### Permit Application shall include:

- ☒ Site Plan/design (either CAD drawings or hand drawn to scale)  
☐ Approximate length of boring; approximate length of road cut

\* Birdseye map

\*Described location

\*Utility cross-section diagram to scale

### Permit Process:

1. Submit complete Utility Installation permit application to the County Road & Bridge Department offices at 136 6th Street, between the hours of 7:30 am and 4:30 pm after locates are completed and marked.
2. R & B reviews application and inspects site. If necessary fire Department check off
3. Revisions are made by applicant if needed.
4. R & B re-reviews and re-inspects if needed.
5. If acceptable application is approved
6. Applicant pays fee and permit issued.
7. Applicant conducts work in accordance with plans, maintains erosion control, and updates SWMP as needed.
8. R & B inspects completed work
9. If erosion, re-vegetation and structural measures are met, permit is closed

### Fee Calculation:

#### Construction (Utility Installation) of Service Lines

Road Cut (gravel road) .....	\$65.00
Additional road cuts on same Permit with 500 feet.....	\$20.00

Road Boring/Pavement.....	\$65.00
Additional road bores on same Permit within 500 feet.....	\$20.00

#### Construction (Utility Installation) of Distribution Lines

Trench width	Per Foot
Up to 6"	\$0.10
6" thru 23"	\$0.15
23" thru 35"	\$0.35
35" and up	\$0.50

- Boring is required on pavement
- Pre and post construction inspections included in permit
- Re-inspection fee..... \$40.00/each additional inspection

### Penalty fees for working in ROW without a permit/bond

First offense .....	\$100.00
Each subsequent offense .....	\$300.00

### GRADING PLAN REVIEW FEES

- 50 cubic yards.....No Fee
- ☐ 50 to 100 cubic yards.....\$26.50
- 100 to 1,000 cubic yards.....\$42.00
- 1,000 to 10,000 cubic yards.....\$55.00
- ☐ 10,000 to 100,000 cubic yards - \$55.00 for the first 10,000 cubic yards, plus \$27.50 for each additional 10,000 cubic yards or fraction thereof. x /
- 100,000 to 200,000 cubic yards - \$302.50 for the first 100,000 cubic yards, plus \$14.85 for each additional 10,000 cubic yards or fraction thereof.
- ☐ 200,000 cubic yards or more - \$451.00 for the first 200,000 yards, plus \$8.15 for each additional 10,000 cubic yards or fraction thereof.

*451.50*

### GRADING PERMIT FEES

- ☐ 0 to 100 cubic yards.....\$50.00
- 100 to 1,000 cubic yards - \$50.00 for the first 100 cubic yards, plus \$20.00 for each additional 100 cubic yards or fraction thereof.
- ☐ 1,000 to 10,000 cubic yards - \$230.00 for the first 1,000 cubic yards, plus \$16.50 for each additional 1,000 cubic yards or fraction thereof.
- ☐ 10,000 to 100,000 cubic yards - \$378.50 for the first 10,000 cubic yards, plus \$75.00 for each additional 10,000 cubic yards or fraction thereof. x /
- ☐ 100,000 cubic yards or more - \$1,053.50 for the first 100,000 cubic yards plus \$42.00 for each additional 10,000 cubic yards or fraction thereof.

*\$ 453.50*

### OTHER FEES

- 1. Inspections outside of normal business hours (minimum charge - 4 hours).....\$50.00 per hour
  - 2. Reinspection fees (work not ready for inspection or called for corrections not made) .....\$50.00
  - 3. Inspections for which no fee is specifically indicated (minimum charge - 2 hours).....\$50.00 per hour
  - 4. Additional plan review required by changes, additions or revisions to or revisions to the approved plans (minimum charge - one half hour).....\$50.00 per hour
- Questions regarding details should be directed to the Road & Bridge Grading and Excavating inspector's office at (970) 870-5344.

*\$ 536.00*

*PAVS (2) AND ROAD - 9,000 cy*  
*PIPE LINES (2) - 10,630' x 4' wide x 5' deep = 7,900 cy*  


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*TOTAL - 16,900 cy*

## **SWMD 1SW & WMD 12-Left Thickener Underflow Boreholes, Pump Boost Station, and Pipelines**

Project involves construction, operation, and reclamation of two new Thickener Underflow (TUF) boreholes, additional pipelines, a pump boost station, and associated ancillary equipment and facilities in the Southwestern Mining District (SWMD) - Panel 1SW, and in the Western Mining District (WMD) - Panel 12-Left. The new thickener underflow installations are needed both as backup for the current system, and ultimately, to replace the existing boreholes, if and when these boreholes are no longer functional. All of the proposed activities are addressed by a permit revision application, which has been submitted to the Colorado Division of Reclamation, Mining, and Safety (CDRMS).

The 1SW Thickener Underflow Borehole installation will be located north of the mine facilities area and northwest of the Union Cellular repeater tower that is located on top of the sandstone cliffs adjacent to Routt County Road 27 (RCR27). Access to this site will utilize the existing ranch road currently used for access to the Union Cellular tower off of the Fish Creek access road. Minor road improvements to provide for year-round access will include limited grading, placement of water-bars and minor work on the existing ditches, and placement of gravel surfacing materials. The 1SW Thickener Underflow Borehole will extend from the surface into the sealed SWMD mine workings approximately 1,060 feet in the 1SW Panel.

The 12-Left Thickener Underflow Borehole installation will be located on the north side of RCR27, east of the intersection with Routt County Road 37. The pad will require access from RCR27, and TC has applied to the County for the required "Driveway" permit. A 100 foot light-use road will be built from the County road to the borehole pad. The 12-Left Thickener Underflow Borehole will extend from the surface into the sealed WMD mine workings approximately 1,260 feet in the 12-Left Inby Panel.

Installation of the 1SW & 12-Left Thickener Underflow Boreholes will involve placement of construction erosion controls (silt fence and/or straw wattles), removal and stockpiling of soil materials and the limited vegetation from the pad areas and road (12-Left only), construction of the designed drainage structures (ditches and rock sumps), minor cut and fill grading to establish the access road and level drill pads, minor road and drainage improvements for the 1SW borehole, placement of gravel surfacing on the roads and pad areas, excavation of temporary cuttings pits on the drill pads, and drilling and casing of the boreholes. On completion of drilling and casing operations, the cuttings pits will be allowed to dry-out, material excavated from the pits will be replaced and graded, and gravel surfacing will be extended for the affected areas to control erosion and sediment and provide an all-weather operating surface. The completed thickener underflow borehole installations will include the light-use road access, soil material stockpiles, the leveled drill pads (maximum 175' x 175'), 14-inch diameter cemented surface casings (60 feet deep), 12.25-inch diameter cased boreholes, and covered 8-foot diameter CMP manholes with lightning protection.

Partial or full reclamation of the thickener underflow borehole disturbance will include, as appropriate, removal of the manhole structures, plugging and sealing of the boreholes consistent with State Engineer requirements, removal of pad and road surfacing materials, grading of pad and road areas to a stable configuration that blends with the surrounding terrain, replacement of soil materials, and revegetation with the approved rangeland seed mix. Given that the thickener underflow boreholes will be enclosed within the manhole structures, it will not be necessary to maintain the full pad areas used for drilling. As appropriate, TC may reclaim portions of the pad areas, leaving only the light-use access roads and a limited area around the manholes for inspection and maintenance access.