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## State of Utah

DEPARTMENT OF NATURAL RESOURCES

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# Technical Analysis and Findings

## Utah Coal Regulatory Program

April 25, 2017

**PID:** C0070041  
**TaskID:** 5416  
**Mine Name:** WEST RIDGE MINE  
**Title:** MIDTERM COMPLETION RESPONSE

### Reclamation Plan

#### Topsoil and Subsoil

##### Analysis:

##### Analysis:

The mining and reclamation plan meets the soils performance standards because catch basin A was reclaimed in October 2016 (Attachment 9 Addendum to Address Second Violation, p. 14) and the B canyon portal was reclaimed (App. 5-19, p. 3-5).

pburton

### Bonding Determination of Amount

##### Analysis:

The West Ridge Midterm Completion Response, Task 5416 is deficient and does not meet the minimum requirements of R645-301-830 due to missing and incorrect information. Permittee must submit corrected and complete detailed estimated costs, with supporting calculations for the estimates.

##### Deficiencies Details:

The West Ridge Midterm Completion Response, Task 5416 is deficient and does not meet the minimum requirements of R645-301-830 due to missing and incorrect information. Permittee must submit corrected and complete detailed estimated costs, with supporting calculations for the estimates. Please include the following, with red lines where needed for identification.

##### Demo sheets:

- 1) Discharge Structure 08 - Scamp, Steel disposal cost is not calculating or adding right in the cost column it looks like it is not adding into the subtotal or into the Total.
- 2) Reclaim Conveyor Stringer 10- The Scamp for the Steel disposal cost is not calculating and adding right in the cost column it looks like it is not adding into the subtotal or Total.
- 3) Portal 19- Check calculations, include RSMeans reference or use a bid.
- 4) Monitoring Well 23 – Do we have a bid for this?
- 5) Hilfiker Wall 24 – Typo in the RSMeans Reference number
- 6) Truck Loadout 32 – Calculation error on Scamp Excavation Disposal Cost Steel - Cost column.
- 7) Pumphouse 37 – Calculation error in cost column for Scamp Excavation 39 times 30 is 1172.16 instead of 2866. Verify all calculations and units on this sheet.

8) Riprap 38 – RS Means reference number needs to be checked and verify if the placed rip-rap for slope protection is grouted or not. The grouted cost is \$102.85 and the non-grouted is \$54.50 per CY. Make sure that this is the only cost associated with this task and sheet.

9) B Canyon Portal Reclamation 41 – Verify the Materials and Descriptions for JennChem, Do we have this bid? Verify that all equipment, labor, and materials are included for B Canyon Portal Reclamation.

**Earthwork Sheets:**

All Earthwork sheets need to include

- 1) Include RS Means Reference, EquipmentWatch Rental Rate Blue Book or 3 Bids
- 3) Verify that the Operator's Hourly Rate and Hourly Operating Rate are included and correct.
- 4) When calculating hourly rate from monthly rate (believe 176 hrs a month) or daily rate make sure to use the same number of hours in the month or the day that RS Means uses to be consistent in the cost calculations.

**Reveg:**

Verify totals and that all needed costs are included.

**Total Sheet:**

- 1) Make sure all totals are updated to correct amounts.
- 2) Include the difference in Current Bond Posted and Reclamation Costs in 2021 dollars.

**bwiser**