



STATE OF
COLORADO

Zuber - DNR, Rob <rob.zuber@state.co.us>

Review of Waste Pile report, 2Q 2020, Bowie #2

1 message

Zuber - DNR, Rob <rob.zuber@state.co.us>

Thu, Jan 21, 2021 at 10:14 AM

To: Basil Bear <basilbear@wolverinefuels.com>, Tamme Bishop <tamme.jestover@bresnan.net>

Hello, Basil

Please see attached review of your report from the second quarter last year. I hope to catch up and review reports in a timelier manner this year.

Please note my reference to Rule 4.09.1(11)(c). This is applicable to your future construction of the underdrain.

Thanks,
Rob

Rob Zuber, P.E.
Environmental Protection Specialist II
Active Mines Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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DRMS_review__2Q_2020_Waste_Pile reports.pdf
310K



January 21, 2021

Basil A. Bear
Bowie Resources, LLC
P.O. Box 1488
Paonia, CO 81428

**Re: Bowie No. 2 Mine, Permit C-1996-083,
 Review of Waste Bank Report, 2nd Quarter 2020**

Dear Mr. Bear:

On 23 July 2020, the Division received the Bowie No. 2 Mine Waste Bank Report (including results from compaction testing and instrumentation monitoring) for the second quarter of 2020. The Division reviewed these reports in the context of the following rules:

- 4.09.1(11)
 - 4.09.1(11)(c) was not applicable in 2020. **(Please keep this rule in mind as BRL moves forward with underdrain construction in the future.)**
- 4.10.2.

The Division is providing the following notes regarding this report:

- A registered engineer provided to the Division a certified report, but it was not within two weeks after the inspection of the waste banks was completed. The Division understands that unique conditions exist due to the COVID-19 virus, and we do not find this tardiness an issue.
- The fill was inspected for stability by a registered engineer during the compaction of fill materials. No placement occurred during the second quarter on any of the waste piles.
- Compaction testing was done on April 27 (8 points) and June 25 (11 points). All points of compaction were above 90% Proctor.
- Inclinator readings were provide for Waste Pile #2 (aka Gob Pile #2). The latest inclinometer readings indicate no major movement since the last quarterly monitoring report.
- Vibrating wire piezometers readings were provided for Gob Pile #2. Pore pressure recordings have remained consistent.



The Division has no concerns regarding the Bowie No. 2 Mine 2nd Quarter 2020 Waste Bank Inspection Report. The rules listed above were met, in general (the only exception being the timeliness, as noted above).

If you have questions or comments, feel free to contact me at Rob.Zuber@state.co.us or 720.601.2276.

Thank you,

A handwritten signature in blue ink, appearing to read "Robert D. Zuber".

Robert D. Zuber, P.E.
Environmental Protection Specialist II

Cc via email: Tamme Bishop, J.E. Stover & Associates, Inc.