



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

September 21, 2020

Miranda Kawcak
Twenty Mile Coal Company
29515 Routt County Road #27
Oak Creek, CO 80467

**Re: Foidel Creek Mine; C-1982-056:
Minor Revision No. 317 (MR317)
Adequacy Review**

Dear Mrs Kawcak:

The Colorado Division of Reclamation, Mining, and Safety (Division) has reviewed the above referenced minor revision. MR 317 was found complete on 9/21/20. Please find in the letter attached the adequacy review issues that will need to be addressed prior to the Division's approval of the revision.

The Division's proposed decision for this revision is currently 10/1/2019. If additional time is needed to address the issue above, please request an extension of the decision date. If you have any questions feel free to contact me at 720-618-0860 or by email tabetha.lynch@state.co.us.

Sincerely,

Tabetha Lynch
Environmental Protection Specialist

Enclosure: Memo from Zach Trujillo dated 9-17-20



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

Date: September 17, 2020

To: Tabettha Lynch

CC: Jason Musick

From: Zach Trujillo

RE: Foidel Creek Mine, DRMS File No. C-1982-056
Foidel Creek Mine MR20-317 Review Memo

Tabetha,

As requested I have reviewed Foidel Creek Mine's (Foidel) proposed suspension bridge for a 200-foot section of the Overland Belt. The design consists of two steel towers, each sitting upon two 30 inch caissons which will be constructed into bedrock. The overland belt will then be suspended by cable from the towers with the cables anchored by large concrete blocks. The design of the suspended bridge, as proposed, results in a 2.72 safety factor with a fully loaded conveyor. However, given the history and the need for a suspension bridge, there is no discussion on how the proposed bridge will resist ground movement such as slides. While the caissons will be constructed into bedrock, the anchor blocks will be placed in the soil at a depth of 7 ½ feet per the proposed design. In the event of a slide, the anchors could shift or move with the ground leading to some of the tensile forces acting perpendicular to the length of the bridge. This has the potential to negatively affect the stability of the suspension bridge. Please have Foidel address how the proposed suspension bridge will resist potential ground movement and remain stable.

This concludes my review of Foidel's MR20-317. If you have any questions, feel free to contact me.

Sincerely,

Zach Trujillo
Environmental Protection Specialist
(303) 866-3567 ext. 8164
Zach.Trujillo@state.co.us

Foidel Creek Mine MR20-317 Memo

September 17, 2020

