


TRAPPER MINING INC.  
CRAIG, COLORADO

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HORSE GULCH FILL  
QUARTERLY FILL CERTIFICATION

I, Tonia Marie Perkins, a Licensed Professional Engineer in the State of Colorado, in accordance with 2CCR407-2, Section 4.09.1(11), have conducted a quarterly inspection of the Horse Gulch Fill construction. This quarterly inspection was conducted on March 23, 2020. The fill was inspected for stability, and no appearance of instability, structural weakness, or other hazardous condition was observed during the inspection. Construction during this quarter has been under my supervision, and to the best of my knowledge and belief, has been consistent with the design approved by the Colorado Division of Reclamation, Mining, and Safety.

  
Tonia Marie Perkins  
CO PE 43864



3/25/2020  
Date



# **Horse Gulch Fill Quarterly Inspection Report**

**First Quarter 2020**

**Trapper Mining Inc.  
Trapper Mine  
Craig, Colorado**

March 25, 2020

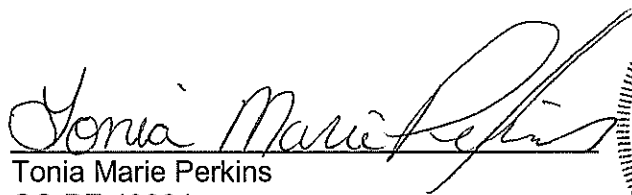
# Horse Gulch Fill Quarterly Inspection Report

## First Quarter 2020

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I certify that this report was prepared by me.



Tonia Marie Perkins  
CO PE 43864  
Mining Engineer  
Trapper Mining, Inc.







*Photograph 2: North Site above the 7350 Bench Elevation (3/23/2020)*

## **2.0 Critical Construction Periods**

### **2.1 Removal of All Organic Material and Topsoil**

Topsoil and organic material removal activities were not conducted during the quarter.

### **2.2 Placement of Underdrainage Systems**

The underdrainage system was completed in the first quarter of 2010; additional work on this system is not anticipated. During the time of the inspection, there was approximately a tenth of a gallon per minute of water flow. (Photograph 3).

### **2.3 Installation of Surface Drainage Systems**

Both the north and south surface drains were inspected (Photographs 4 and 5). At the time of the inspection there was no water flow.

### **2.4 Placement and Compaction of Fill Materials**

There was no placement of material or contour work done on the fill this quarter. All of the required material for the fill has been placed and compacted. It's anticipated there will be no more additional fill material placed on the fill.

Photograph 6 depicts the west facing slope of the fill in the area where the slope of the fill is at 3H: 1V.



March 25, 2020



*Photograph 3: Water from the Underdrainage System (3/23/2020)*



*Photograph 4: North Surface Drain Looking East (3/23/2020)*





*Photograph 5: South Surface Drain Looking East (3/23/2020)*



*Photograph 6: West Side Fill 3H: 1V Face Looking East (3/23/2020)*

## **2.5 Revegetation**

Seeding activities did not occur this quarter. There is one topsoil pile located on the fill. The only area on the fill that requires any topsoil and seeding is located under the topsoil pile.

*March 25, 2020*

### **3.0 References**

Agapito Associates, Inc. (2009), "Horse Gulch Fill Stability Analysis" submitted to Trapper Mining, Inc., May 29.

Colorado Division of Minerals and Geology (1980), "Regulations of the Colorado Mined Land Reclamation Board for Coal Mining," revised 9/14/05, Section 4.09.1.