



January 10, 2018

Division of Reclamation, Mining and Safety  
1313 Sherman Street, Room 215  
Denver, CO 80203

Re: Permit Number: M-77-252 Pioneer Mine  
Annual Grog Import of Fill Report

To Whom It May Concern:

**Waste Brick Import Fill Report**

**Quantity Imported:** 5,375 tons

**Timeframe hauled:** September 2018 and December 2018

**Blending:** Blended with mine overburden and placed in 1' lifts and brick wet saw fines

**Date backfilling completed:** December 28, 2018.

The backfill work done in April 2018 allows the grog to be stockpiled in the pit instead of stockpiling on the clay stockpile pad area. This eliminates handling the brick one additional time. Then the brick is leveled in 1-foot lifts and another lift is added. The material coming from the brick plant contains wet saw mud from the cutting of brick into thin slabs. The wet saw mud fills the voids and aids in compaction. Further the loaded semitrucks are constantly driving over the backfill area aiding in compaction.

This photograph was taken at the south edge of the pit looking north at the brick stockpile area.



If you have any questions and/or there are any problems with this transmittal, please contact me at (303) 783-3058.

Sincerely,  
General Shale Brick, Inc.



Jason E. McGraw P.E.  
Mine Supervisor