



January 9, 2020

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: 475 tons

Timeframe hauled: January 6-9, 2020

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

Date backfilling completed: January 8, 2020.

The backfill work done in January 2020 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 saw mud from the cutting of brick into thin slabs. The 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.



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





General Shale

Building The American Dream®

This photograph was taken at the south edge of the pit looking north at the backfilled and compacted 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