

DOGM, Daily Construction Progress Report

Horizon Mine Reclamation

C/007/020

PO 560 180000000000269

NTP issued June 28, 2018. Expected contract completion date Oct. 26, 2018 (120 calendar days from NTP)

Date: July 26th, 2018 M T W **Th** F S

Crew Size: 2 Supervisor: Steve Bagley Hours: 7:00 am to 5:30 pm

Crew Names: Steve Bagley (Foreman) and Dal Guymon

Equipment: 1x skid steer, 1x excavator, 1 x bulldozer, 1 x front end loader.

General description of work performed, equipment/material deliveries, etc:

Massive excavation work continued. Contractor continued to excavate coal material/rock/random debris from upper pad area with bulldozer and excavator. A sheeps foot made two passes over the redistributed material in 1-2' lifts on the lower pad. The primary disturbed drainage ditch has been completely backfilled/compacted. The disturbed culvert inlet was abandoned according to the scope of work. The vertical riser pipe was removed, the horizontal run of culvert was excavated approximately 3-5' and then crushed in place. The culvert was observed to be full of soil. The air sampling pipe has been installed in the belt portal. The pipe is a 1/2" high density PVC with air sampling port on the end. Cody Ware conducted a pre-excavation survey of the lower pad area per scope of work last Thursday (July 19th, 2018). The survey of the lower pad area will again be performed following excavation in order to determine the bank cubic yards moved.

The excavator began pulling the bermed coal waste material adjacent to the undisturbed boundary on the SE portion of the property back towards the center of the pad area. The material was then buried within the excavated material from the upper pad.

Per the scope of work, a final compaction report is to be provided to DOGM once the final grading has been performed. The report needs to describe the methodology utilized to achieve the 85% Proctor density and final compaction results. This was discussed with the contractor and they understand this requirement. The native soil material below the accumulated coal refuse material on the pads has been observed to be damp/moist. The moisture content of the soil lends itself to achieving better compaction results.

Problems/delays and proposed or actual resolution. DOGM action required? Yes **No**

Temp: 20 30 40 50 60 70 80 **90** 100 Comments:

Sky: fair **pc** mc cldy ovrkst rain snow

Ground: **dry** wet muddy snow ___" frozen

Project is approximately X on schedule
 days behind schedule
 days ahead of schedule

Inspector: _____

ATTACHMENT A – July 26th, 2018



PHOTO 1
Moving Material Down from Upper Pad



PHOTO 2
Excavated Upper Pad Area



PHOTO 3
Moving Material Down from Upper Pad



PHOTO 4
Moving Material Down from Upper Pad

ATTACHMENT A – July 26th, 2018



PHOTO 5

Disturbed Drainage Ditch Backfilled/Compacted



PHOTO 6

Disturbed Drainage Ditch Backfilled/Compacted



PHOTO 7

Lower Pad Area



PHOTO 8

View From Upper Topsoil Pile



ATTACHMENT A – July 26th, 2018



PHOTO 9
Installed Air Sampler Pipe (Belt Portal)



PHOTO 10
Installed Air Sampler Pipe (Belt Portal)



PHOTO 11
Moist Native Soil Material (below asphalt/coal waste)



PHOTO 12
Moist Native Soil Material (below asphalt/coal waste)