

# 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 12, 2018 M T W **Th** F S

Crew Size: 3 Supervisor: Steve Bagley & Phil Beebe Hours: \_\_\_\_\_ to \_\_\_\_\_

Crew Names: Nelco

Equipment: Komatsu PC 220 LC excavator with hammer, Cat 320 Excavator, Cat Front end loader, Komatsu 30 Skid steer, D8 Dozer down from \_\_\_\_\_ to \_\_\_\_\_ for \_\_\_\_\_

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

The two excavators are finishing the demolition of the Fan Portal. The roof and outer wall have been completely demolished back to the old fan pad. Earth material has been excavated off the top of the Belt portal to prepare the concrete collar for demolition next week. It appears a gray or black water septic tank is buried under the waste pile at the end of the pad. While coal waste was being scraped off the pad Will uncovered a cap for the tank.

I spoke with Phil and Steve B. about three change orders today.

The first being putting a seal in the Return and Belt portals. He spoke with Steve B. earlier today and they think the best option is to use concrete to seal the portals. A drier concrete with a slump of 1 would allow them to place and push the concrete against a sloped backing made up of of backfilled broken concrete. The concrete will harden to form an atmospheric seal in the Fan and Belt portals. Additional backfill material will be placed against this concrete seal to toe out the hillslope and bring it to the approximate original contour.

The second change order we discussed was abandoning the well higher up in the canyon above the topsoil pile. Steve B. and will walked up to the well yesterday to see what options there are to get equipment up to the well to abandon it. From just above the topsoil pile there is a couple foot wide trail that was part of the old road extending for roughly 300 yards. Beyond this narrow section the old un-reclaimed road begins and runs all the way up to the well. They think the best option may be to widen the narrow section of trail to the upper un-reclaimed section of the road to allow a small piece of equipment to track all the way up to the well. This piece of equipment would carry the bentonite up to the well to abandon the well.

The third item discussed was properly sealing the vertical ventilation shaft on the hillslope above the portals. Phil mentioned an air bag can be inflated in the shaft to create a base. Then concrete can be pour onto the airbag creating a strong seal at the bottom of the shaft. The shaft can then be backfilled to the final surface grade.

WORK items approved: None

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

Visitors & purpose: None

Temp: 20 30 40 50 60 70 **80** 90 100 Comments: Brief lightning and rain storm.

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

Ground: **dry** wet muddy snow \_\_\_\_" frozen

Project is approximately X on schedule

Inspector: Keenan Storrar

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UTAH COAL PROGRAM

**ATTACHMENT A – Photos July 12, 2018 site visit**



**PHOTO 1**  
Progress of demolition of Portals  
July 12, 2018



**PHOTO 2**  
Backfilled Return Portal  
July 12, 2018



**PHOTO 3**  
Demolished Fan Portal  
July 12, 2018



**PHOTO 4**  
Demolished fan portal  
July 12, 2018

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**ATTACHMENT A – Photos July 12, 2018 site visit**



**PHOTO 5**  
Fan portal being demolished  
July 12, 2018



**PHOTO 6**  
Backfilled Return portal  
July 12, 2018



**PHOTO 7**  
Demolition of fan portal  
July 12, 2018



**PHOTO 8**  
Backfilled return portal and belt portal  
July 12, 2018

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**ATTACHMENT A – Photos July 12, 2018 site visit**



**PHOTO 9**  
Backfilled return portal  
July 12, 2018



**PHOTO 10**  
Scrap metal  
July 12, 2018



**PHOTO 11**  
Septic tank buried in coal waste pile  
July 12, 2018



**PHOTO 12**  
Septic tank buried in coal waste pile  
July 12, 2018

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