



OGMCOAL DNR &lt;ogmcoal@utah.gov&gt;

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## Fwd: Horizon mine portal seals

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**Steve Christensen** <stevechristensen@utah.gov>  
To: OGMCOAL DNR <ogmcoal@utah.gov>

Fri, Jul 13, 2018 at 11:11 AM

Horizon final reclamation work e-mail to BLM regarding portal seals.

----- Forwarded message -----

From: **Keenan Storrar** <kstorrar@utah.gov>

Date: Fri, Jul 13, 2018 at 10:44 AM

Subject: Horizon mine portal seals

To: Dana Dean <danadean@utah.gov>, Daron Haddock <daronhaddock@utah.gov>, Steve Christensen <stevechristensen@utah.gov>, Justin Eatchel <jeatchel@utah.gov>, Steve Falk <sfalk@blm.gov>, Steven Rigby <stevenrigby@utah.gov>, Jeff McKenzie <jmckenzi@blm.gov>

Good Morning,

Following our conversation yesterday, I spoke with the contractor about the options we discussed to seal the portals. It sounds like the best solution is to seal each portal with a concrete plug. This is the cheapest option and will be the strongest, most stable, and longest lasting seal for the portals. The contractor expressed concerns that a polyurethane foam seal will be crushed and broken up as backfill is placed on it, thus compromising the integrity of the seal. I'm going to go ahead with a change order to install these concrete seal plugs in the portals.

I'm also working with the contractor to properly and permanently backfill and seal the vertical shaft on the hillslope above the portals.

Thanks,  
Keenan Storrar  
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