



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

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## Fwd: Coal Hollow Mine Pond 3 Spillway Reconstruction Certification

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**Keenan Storrar** <kstorrar@utah.gov>  
To: OGMCOAL DNR <ogmcoal@utah.gov>

Wed, Apr 26, 2017 at 7:41 AM

Keenan Storrar  
Utah Division of Oil, Gas and Mining  
801-538-5345  
[kstorrar@utah.gov](mailto:kstorrar@utah.gov)

—— Forwarded message ——

From: **Andrew Christensen** <[drew@altoncoal.com](mailto:drew@altoncoal.com)>  
Date: Tue, Apr 25, 2017 at 2:32 PM  
Subject: Coal Hollow Mine Pond 3 Spillway Reconstruction Certification  
To: "Keenan Storrar ([kstorrar@utah.gov](mailto:kstorrar@utah.gov))" <[kstorrar@utah.gov](mailto:kstorrar@utah.gov)>  
Cc: Kirk Nicholes <[knicholes@altoncoal.com](mailto:knicholes@altoncoal.com)>, Larry Johnson <[ljohnson@altoncoal.com](mailto:ljohnson@altoncoal.com)>, "blackhawk2422@yahoo.com" <[blackhawk2422@yahoo.com](mailto:blackhawk2422@yahoo.com)>, Daron Haddock <[daronhaddock@utah.gov](mailto:daronhaddock@utah.gov)>

Keenan,

As discussed earlier today, please find attached the certification for the reconstruction of the Pond 3 Emergency Spillway. Please let me know if you have any further questions or comments.

Thanks and Regards,

Andrew Christensen, P.E.

Technical Services Manager

Alton Coal Development

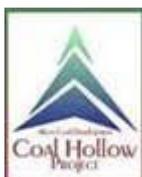
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 **Pond 3 Spillway To Whom it May Concern\_signed.pdf**  
1236K

To Whom it May Concern:

I, Andrew R. Christensen, Registered Professional Engineer, State of Utah No. 10230818, have completed (at a minimum) weekly construction inspections on the Alton Coal Development, LLC (ACD), Coal Hollow Mine Sediment Pond 3 Emergency Spillway Reconstruction from the outset of construction on 4/10/2017.

During the reconstruction of the spillway, compaction testing performed by GEM Engineering of Cedar City, Utah on 4/13/2017 showed that the pond spillway subgrade materials in the area of the scour damage were still overly saturated and could not compact to the 95% compaction standard. ACD subsequently over-excavated the area down to dry hard-pan, placed well graded fill material in the excavation and compacted the material in one foot lifts. Each lift was tested for compaction and all tests met at least the minimum 95% compaction standard. The compacted spillway section was then overlain by geotextile fabric and rip rap according to specified design. Reconstruction was completed as of 4/24/2017 and is considered certified as of that date. A photo depicting the reconstructed spillway is included in Figure 1 below.

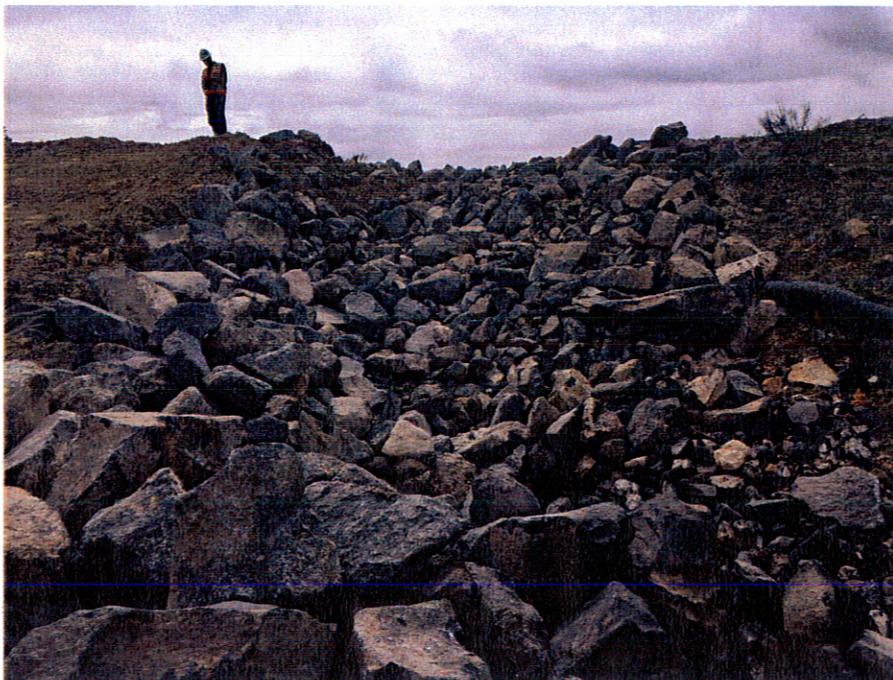


Figure 1. Reconstructed Pond 3 Spillway. View from West to East.

I hereby certify that the above noted inspections of Sediment Pond 3 were completed by me and finalized on the date specified below.

Andrew R. Christensen

March 25, 2017

