

TAOS



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From: Dale, Michael, NMENV
To: Mark Everett
Cc: 'Paul Huber'; asimmons@lanl.gov; Cobrain, Dave, NMENV; Kulis, Jerzy, NMENV
Subject: RE: MCOBT-4.4 P&A backfill material change request
Attachments:

Sent: Fri 7/24/2009 9:04 AM

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Mark,

This email serves as NMED approval for placement of bentonite chips as backfill material for proper plugging of MCOBT-4.4 as proposed in your email below which was received by NMED yesterday, July 23, 2009 at 4:30 PM. NMED concurs that this change to the work plan is warranted based on the information available to NMED at the time of the approval. In addition, please provide NMED with any information and/or data concerning water-level responses during the MCOBT-4.4 rehabilitation effort to replacement well MCOI-4 or nearby wells MCOI-5 and MCOI-6. Please contact me at 661-2673 or 660-1679 if you have questions concerning this approval. Thank you.

Michael R. Dale, NMED HWB

-----Original Message-----

From: Mark Everett [mailto:meverett@lanl.gov]
Sent: Thu 7/23/2009 4:30 PM
To: Kulis, Jerzy, NMENV
Cc: 'Paul Huber'; asimmons@lanl.gov; Cobrain, Dave, NMENV; Dale, Michael, NMENV
Subject: MCOBT-4.4 P&A backfill material change request

Jerzy,

We have successfully removed the well casing from the MCOBT-4.4 borehole and are preparing to clean out the borehole for proper backfilling. The approved work plan (attached) says that we will backfill the borehole with a cement bentonite grout mix. However, during the over drilling of the well casing, circulation was lost resulting in little to no cuttings return. Given the circulation problems and the potential for significant loss of grout to the formation during backfilling, we strongly recommend using bentonite chips up to within 100 ft of ground surface. The chips will be tremied in place and hydrated. Using chips instead of a grout will be more protective of the environment around the borehole while still providing the



necessary seal within the borehole. The remainder of the borehole above 100 ft bgs will be filled with a cement/ IDP 381 grout.

Please respond to this e-mail with your concurrence on the use of bentonite chips or give me a call tomorrow on my cell phone to discuss. If you are unable to respond before the weekend, please contact Paul Huber (606-2225) to discuss.

Thanks,

Mark Everett, PG

Drilling Project Technical Lead

EP-WSP

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