

TAIS



**Kulis, Jerzy, NMENV**

**From:** Kulis, Jerzy, NMENV  
**Sent:** Friday, September 11, 2009 1:19 PM  
**To:** 'Mark Everett'; Cobrain, Dave, NMENV; Dale, Michael, NMENV  
**Cc:** katzman@lanl.gov; 'Ted Ball'  
**Subject:** RE: CdV-37-1i core collection methodology change proposal

Mark,

This email serves as NMED approval for using a sonic drilling method for core collection at the well CdV-37-1i, as proposed in your email received by NMED on September 10, 2009 at 3:45 pm. This approval is based on the information available to NMED at the time of the approval. In accordance with Section IX of the Consent Order, LANL shall provide notification to NMED of field activities at the well CdV-37-1i a minimum of 15 days prior to commencing these activities (e-mail or phone call would be sufficient).

Thanks

Jerzy Kulis  
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**From:** Mark Everett [mailto:meverett@lanl.gov]  
**Sent:** Thursday, September 10, 2009 3:45 PM  
**To:** Kulis, Jerzy, NMENV; Cobrain, Dave, NMENV; Dale, Michael, NMENV  
**Cc:** katzman@lanl.gov; 'Ted Ball'  
**Subject:** CdV-37-1i core collection methodology change proposal

This e-mail is a follow up to a conversation between Danny Katzman and Mark Everett (LANL) and Jerzy Kulis (NMED HWB) in reference to proposed coring methods at upcoming well CdV-37-1i. In the attached work plan that LANL has submitted and NMED has approved (also attached), the proposed method for core collection is hollow-stem auger. After additional consideration, LANL would like to propose using a Sonic rig for core collection at the CdV-37-1i site. Because of the potential for groundwater to be encountered, LANL is concerned that it will be very difficult using HSA to keep the water from following us as we proceed downhole. Since pore water chemistry is of interest in this investigation we are concerned that samples below any groundwater body could be compromised. Conversely, if we use a Sonic rig we will be able to collect core and then advance a protective casing to seal off any groundwater. The core hole will be advanced dry and core will be collected in Lexan sleeves at the intervals specified in the attached work plan. Switching to this methodology will not diminish but will rather likely improve the quality of the core data we will be able to collect.

If you are in agreement with our proposal to switch from HSA to Sonic drilling for core collection at CdV-37-1i, please respond to this e-mail with your concurrence. If you wish to discuss this further, please contact me at your earliest convenience.

Thanks,

31905



9/11/2009

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