

RA S 14601

U.S. NUCLEAR REGULATORY COMMISSION

In the Matter of US Army (Jefferson Pabig Land)

Docket No. 40-8838-MLA Official Exhibit No. 34

OFFERED by Applicant/Licensee Intervenor _____

NRC Staff Other _____

IDENTIFIED on _____ Witness/Panel _____

Action Taken: **ADMITTED** **REJECTED** **WITHDRAWN**

Reported Date _____

From: "Eaby, Todd ." <TODD.D.EABY@saic.com>
To: <jmp@nrc.gov>
Date: Fri, Jun 1, 2007 11:19 AM
Subject: JPG-Well drilling method modification

John,

This is just a follow-up email from our exchange of voice mail messages from the week of May 7, 2007 in which I had described a minor modification to the drill tooling size and application that we were considering for the well installations and your subsequent voice mail indicating that you did not see any problems with the proposed change in tooling/method. I also wanted to let you know that we have proceeded with the well installation at JPG using the revised drilling tooling and application that I had described in those voice mail messages to you. The modification is being made to not cause a delay in the well installation and project schedule. The originally specified tooling, is not readily available and would have to have been specially ordered and built for this project causing delays. Below is a more detailed description of the modification:

The original plan indicated the use of PQ series rock coring tools and the advancement of PWT-series outer casing or similar system. Following that plan the PWT casing would have been advanced following advance of the core hole when difficult coring conditions were encountered to stabilize the corehole and allow the coring tools to be continued to be advanced. The PQ series coring system cuts and retrieves 3.35 inch rock cores and the PWT casing provides a 5.5 inch diameter borehole.

The change consists of using PQ-series coring tools to advance the core hole and retrieve core until the subsurface conditions are such that advancement of the corehole is either not able to be advanced or corehole conditions need to be stabilized or drilling fluid return needs to be re-established by installing casing. At that point HWT casing will be installed into the PQ sized corehole and advanced past the area of difficult drilling conditions. HQ coring would then be continued below and through the HWT casing. If difficult conditions are encountered again the HWT casing would then be advanced deeper beyond the difficult spot and then the HQ coring would be continued. The same way the original PQ system would have been used. The borehole would be continued in this manner until the desired final depth of the corehole/well is reached. The well would then be built inside either the PQ corehole if advanced successfully to the total depth or inside the HWT casing. The HQ core tooling cuts and retrieves 2.5" diameter rock core and the HWT casing provides a 4.5 inch diameter borehole.

The combination of the PQ coring and PWT casing system and the combination of the HQ coring and the HWT casing system are nearly

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SEU-02

identical except that the H series tooling is slightly smaller in diameter. The method of completion is nearly identical between that provided in the FSP Addendum 4 with the exception of initially coring with the PQ series tooling and then dropping down to the slightly smaller diameter H series (HQ coring and HWT casing) drill tooling.

If you have any questions you can contact me by email or the phone numbers listed below.

Todd D. Eaby, P.G.

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Created By: TODD.D.EABY@saic.com

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Files	Size	Date & Time
MESSAGE	3327	Friday, June 1, 2007 11:19 AM
TEXT.htm	8641	
Mime.822	14857	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No
Security: Standard

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