

Allison, Becky

From: Fay Knox <carolyn.fay.knox@gmail.com>
Sent: Wednesday, December 14, 2016 4:20 PM
To: drillingstudyquestions
Subject: 20161215-Fay-Knox

I am concerned about the drilling report provided by Harbor Environmental and the single bore hole drilled at C&H Hog Farm Sept 21st through Sept 23rd.

Tai Hubbard, a geologist hired by ADEQ as an independent observer, commented that there were limitations on the study as it only included a single hole drill. This fact made it hard to interpret the "void" detected both during the drilling and while sealing the hole at 25 feet, a depth closely corresponding to that of the pond floors. During this process drilling water was lost and it took almost 50% more cement to fill the hole than was estimated. Seems like losing drilling water and using more cement than expected means that there are karst features involved which the report does not fully address. If multiple holes had been drilled perhaps the karst underneath could have been better understood.

Professor Todd Halihan had stressed that more than one hole needed to be drilled and that the cost would be around \$15,000; however, there was one hole drilled and original drill type approved for the investigation was substituted with one that caused mechanical breakage of many of the core samples. \$75,000 was spent for one hole drilled when recommendations were for more than one, and the equipment used was not what was approved for the investigation, many questions arise as to why the prescribed equipment was not used and the validity of the results that were obtained.

Original field notes on the drilling were not made public, and from what I could discern their transcriptions have inconsistencies between statements from the geologist and the drilling team. Access to the original field notes and an opportunity to directly ask Harbor Environmental questions was not provided. This raises serious questions about the transparency of the process.

The time frame for the public to analyze and respond to a 542 page technical report was not enough. There are many questions still to be answered and I respectfully ask that ADEQ provide the public with a meeting to directly ask questions to both Harbor Environmental and ADEQ as their next step in this transparent process.

Sincerely,

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