

Allison, Becky

From: Gerald Weber <jerryweber@yelcot.net>
Sent: Friday, December 16, 2016 1:47 PM
To: Allison, Becky
Subject: 20161216-late-Gerald-Weber

To: Becky Allison, ADEQ
Re:Special Drilling and sampling at C&H Hog Farm

As a member of Friends of the North Fork and White Rivers with the Buffalo River within our watershed region of concern and also as a concerned citizen concerned about preservation and restoration of water quality in my area, I have the following questions/comments regarding the bore hole drilling at the C&H Farms in proximity to an animal waste holding pond and the data analysis underway.

Exactly what is meant by no Karst dissolution features were found in Section 3.2 Paragraph 1?

Between 20 and 28.5 feet there was loss of drilling water in this zone. Doesn't this suggest that any liquid leaks from the holding pond would be distributed throughout this shallow zone? And, since the clay lined ponds are actually allowed to leak millions of gallons of effluent doesn't this present a high risk to eventual pollution of the groundwater?

Why was the bore hole plugged rather than left lined to be monitored for possible hog waste contamination at periodic intervals in the future? It would seem to me that ADEQ would want an easy method of being able to monitor ground water contamination at this CAFO site to assure there is no immediate or future contamination in this single drilling hole area. The borehole could be lined with a liner that would allow water and any polluted liquid to enter this "well from anywhere along the bore hole providing an excellent monitoring station for possible ground water contamination.

Apparently the grouting of the bore hole took additional grout which suggests that there are not just fracture zones which allow liquid movement in various zones, but also there must be larger fractures in various zones that grout had to fill. This suggests that the soil composition is in a Karst Zone and would be susceptible to contamination should the ponds leak (allowed with clay liners) and with liquid manure spreading on the surface. To me a red flag for allowing a CAFO in this region.

Since I am not a qualified individual to assess the overall data collected during this bore hole drilling, I have to defer to the scientists and engineers who specialize in this field. However I remain extremely concerned about the possibility of contamination of the groundwater and the potential for contamination of Big Creek by the spreading of effluent across fields in close proximity to this waterway.

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