From: McDonald, Jeffrey
To: "Betty Niemann"
Bcc: Greenhagen, Andrew; Perenchio, Lisa; Smith, Robert H; Jann, Stephen; Bayer, MaryRose
Subject: RE: FutureGen 2.0 Class VI Well Permit Application
Date: Tuesday, December 03, 2013 9:26:00 AM

Dear Ms. Niemann,

Thank you for your interest in this project. Currently, our office is reviewing the four permit applications submitted for the four proposed injection wells. No decisions on whether to issue or deny any or all of the permit applications have been made. When a draft decision is reached, we will be soliciting public input. If you would like to be added to a mailing list we are creating to communicate with people interested in this project and other geologic sequestration projects we are involved with, please sign up are our web site: http://www.epa.gov/r5water/uic/carbon-sequestration.htm#signup
Regarding your specific concerns, I believe the "leakage" you mentioned is actually a case of lost circulation. Lost circulation can happen during drilling and/or cementing when a formation has a high capacity to accept fluids and the drilling mud or cement flow into the formation at higher than desired rate. This was also observed at the Potosi formation when wells were drilled in Decatur recently. Your concerns about a "mitigation plan" are valid, but are covered under the UIC regulations for Class VI wells. The regulations call for an Emergency and Remedial Response Plan as part of every Class VI permit issued. Any Class VI permits issued at the FutureGen storage site will have to contain both a Corrective Action Plan and an Emergency and Remedial Response Plan.

Again, thank you for your interest.

Sincerely,

Jeffrey R. McDonald, Geologist
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From: Betty Niemann [mailto:paint007@hotmail.com]
Sent: Friday, November 22, 2013 12:05 PM
To: McDonald, Jeffrey; Harvey, Rebecca
Subject: FutureGen 2.0 Class VI Well Permit Application

Ms. Harvey and Mr. McDonald,

I have a major concern about the Class VI well application for FutureGen 2.0 in Morgan County.

From FutureGen's 2013 3rd Quarter Report on recovery.gov, I discovered that during drilling of the characterization/stratigraphic well that there was a water leak in the Potosi Formation. Are you aware of this?

The application does discuss the Potosi Layer but I could not find where FutureGen reported it had water leakage.

Also, Section 3.0 of the application is to discuss Corrective Action. FutureGen discusses the fact that there are no wells that breach the injection zone, but that is as far as it gets. I have talked with Sally Benson of Stanford University who says that before any injection permit is issued, there needs to be a mitigation action plan in place for if and when there is a problem with the injection site immediate mitigation action can begin. Are you aware of this opinion? I have attached her article for you to read.

Thank you,
Betty Niemann
Jacksonville, IL 62650
Phone 217 370 3853