

Minutes from the Sub-Committee A Meeting
“Identifying potential and current contamination threats to the water quality of the Mahomet Aquifer”

June 18, 2018

Place: Champaign County Board; Brookens Administrative Center; 1776 East Washington Street
Urbana, Illinois.

Time Started: 1:30 PM

Time Adjourned: 2:50 PM

Members Present:

Charles Hostettler, PDC Technical Services
Alec Davis, Illinois Environmental Regulatory Group
Jim Risley, Mahomet-Seymour School District
George Roadcap, Illinois State Water Survey/Prairie Research Institute
Andrew Rehn, Prairie Rivers Network
Claudia Lennhoff, Champaign County Health Care Consumers
Donovan Griffith, Illinois Manufacturers Association
Steve Turner, Illinois Farm Bureau
Teresa Barnett, Emergency Management Agency
Sen. Chapin Rose, 51st District
Barb Lieberoff, Illinois EPA
Rick Cobb, Illinois EPA

TOPICS DISCUSSED:

Sub-Committee Chairmen Charles Hostettler calls the meeting to order. Thanks, the members of the public that joined and is asking the members to introduce themselves. We will start the meeting by hearing from Alec. Reminds the public that our task is to come up with a list of potential threats to the aquifer. We need to do more than just a list for Sub-Committee B though.

A Conceptual Model to Utilize In Helping Evaluate The Universe of Potential Threats That Do Or May Exist (Alec Davis)

I circulated a memo that I think everyone has. This is a follow up to our May meeting. We've identified our tasks and identify what threats exist or may potentially exist in the future so that

we can hand it off to the Sub-committee that is charged with protection of the aquifer. Listening to what everyone had to say and everyone's good ideas and George's source matrix concept and gets us to the next level that we would be well served what I call a conceptual model evaluating any new threat or activity or certain class of activity. In order to produce a product we have to be able to describe how you can to that end product so I think it's worth our while as a group to put some time into what does that decision process look like and further whose doing this work. I'm not a risk professional or toxicology professional so the expertise and the skills that I bring to the table are not necessarily the task at hand but what I think we can do is provide our stamp as a group and he's an approved way to here's a threat. These are the factors we look at that form an objective basis that not only identify a threat but we also have limited resources as a state but we have to provide some recommendations and here are the ones that are more serious. Just to kind of throw this out here these are things that I heard in the context discussed at our last meeting in threats and factors. So, who is ever providing the analysis we can provide some consistency. This is the model based off discussion by the group.

- Existing Conditions contamination aquifer
 - *Subject to remediation/evaluation
- Location
 - *Geography
 - *Geology
- The nature of the threat posed by the activity or condition
- Applicable regulations/protection
- Age of condition or activity
- Site-specific knowledge or lack-thereof

I'm open to discussion on the model from the sub-committee so we can get to the end work product. Anyone have any questions?

Jim Risley asks Alec Davis so if this is your existing model here then if were to identify a threat we could plug that in and see how into this matrix and see how it works? Alec Davis comments yes that's kind of my intention. The gentleman who came to our meeting a while ago who suggested who asked that we look at the potential threats of these wind farms we could have an objective basis and see here's how we see about the various factors on if something is a threat and we can conclusively decide objectively for making that determination on if it is or isn't a threat. Then we can honestly say to individuals at we are or aren't taking them seriously, this is how we are making our decision. Charles Hostetler asks if anyone else has a comment about Alec's model? Steve Turner comments I was looking through the 6 bullet points here and the different conditions we have talked in the beginning here and putting them in here and I ask do you see a condition that wouldn't fit into this model? Off the top of my head I can't come up with one. This is good centralization/standardization we want to go with. Alec Davis comments again this is just kind of the things that we have discussed as a group more likely to be or less likely to be a threat. Happy to consider additions or whatever just let me know. Jim Risley comments number 1 this

something that can apply to everything. George Roadcap comments we do have parts of the aquifer that more susceptible than others. Steve Turner comments on how to adopt something like this. Charles Hostetler comments we would need a quorum which we do not have. Barb Lieberoff comments is it a quorum of the sub-committee? Charles Hostetler quorum of the 25 and then recommend to the full Task Force. So we will recommend in our summary at the full Task Force that we'd like to adopt something. Charles Hostetler comments to the public that Alec's memo and the document he will be talking about in the next agenda item will be posted on the Mahomet Aquifer webpage. Can review and comment if you like to Barb Lieberoff who's contact info is on the webpage as well. Andrew Rehn comments so if we are looking at adopting something like this is this something we just comment on in each issue? I feel like we just at any time these are things we can qualify a problem. Charles Hostetler comments the next item on the agenda will show how its already been implemented. My vision of the work product has two pieces and one is the methodology and the second is the actual content

Example Results from Analysis of Community Water Supply Reports (Charles)

Charles Hostetler comments I'd like to move onto the next item on the agenda. This is a little pilot project I put together. I'd like to get some feedback from Rick in particular b/c I tried to interpret what I thought it was he wanted through his guidance. What I did was go to the source water protection program webpage at the Illinois EPA website. I used Logan County as the example. Contains only public available information and I got these stacks of fact sheets from the webpage. Contains surface water analysis. Charles mentions Atlanta as the first community on his sheet. He then spends the time discussing the source water quality for the community of Atlanta and their potential sources. [Charles' pilot document available on the Mahomet Aquifer webpage](#). Charles after his review of Logan County and their Source Water Quality using IEPA's source water protection webpage, fact sheets, and other readily available data he poses questions to Rick Cobb. Is this what you had in mind when you brought this forward to the group? Do you think this would work for Sub-Committee B? Are there any comments from the group themselves on what I have done? Rick Cobb comments this is a great review of the actual fact sheets. What I have also done is taken the 122 assessments in the sole source aquifer and looked to see if they are susceptible and what management zone has been done. So that's been completed for all the communities and that's on a spreadsheet. George Roadcap comments on susceptibility. We may be able to generate some of those things in the model/matrix. Charles Hostetler comments we can use this model for specific data. We can ask things like what's the recharge to the Mahomet? Rick Cobb comments we do have that methodology to determine susceptibility for recharge on wells in a flow chart. Teresa Barnett comments and asks Rick Cobb the 122 evaluations you are talking about that's the entire aquifer? Rick Cobb comments yes. Donovan Griffith comments so this entire project is to identify susceptibility and identify threats. Is that correct? What's the main goal out of this? Charles Hostetler comments that his goal was to interpret what Rick said and bring us to where we want to go. Rick Cobb comments and says

to answer Donovan's question is yes b/c it connects the dots and identifies potential source to a source.

Continued Discussion of Definition of Work Product

Charles Hostetler asks if there are any other comments or questions. If you have written comments you can email them to Barb. At the next meeting Rick will have an update on his 122 landfill assessments.

Future Sub-Committee Meetings, Venues, and Speakers

Charles Hostetler comments if it is still convenient to meet after the full task force and meet after them? Consensus is yes and they continue to do so. Barb Lieberoff gives the dates to other meetings. July 16, Aug. 20, Sept. 17, Oct. 15, Nov. 19, Dec. 17.

Sub-Committee Comments

Claudia Lennhoff comments that she has been approached by Champaign Co Board members and was asked at what point would the group be talking about agriculture. Steve Turner comments that we have had some discussion and Rick has talked about the monitoring well on western side of the aquifer and getting rid of the nitrates. Now where does that fit into priority area, I don't know. We have a long list to deal with it that's for sure as a group. Rick Cobb concurs with Steve and talks about the work what Illinois EPA has done with USGS and reducing nutrients. Andrew Rehn comments when are we going to be discussing threats to the Mahomet Aquifer? I think it's been great process first. We haven't really talked about specific containments and which are threats. Charles Hostetler comments this is a robust process we won't have to put a microscope on one particular thing. Continued discussion between Andrew Rehn and Charles Hostetler contaminants. Andrew brings up the point fracking as a contaminant and the point that he just doesn't want the task force to miss anything. Donovan Griffith comments that it just isn't possible to capture every single threat.

Public Comments

Charles Hostetler asks if there are any comments from the public.

Randy Locke-State Geological Survey—Gaps in regulation. What are those gaps?

Chris Stohr-Champaign Co Board—historical industries and their operations

Adjourn

Not a quorum. Alec Davis motioned to adjourn. George Roadcap seconded. Meeting adjourned.