

Johnson, Bill H (DNR)

From: Tina Pint <[REDACTED]>
Sent: Monday, January 30, 2012 11:21 AM
To: Arkley, Stuart (DNR); Carlson, Erik (DNR)
Cc: Peter J. Hinck; Cory D. Anderson; [REDACTED] John Borovsky
Subject: RE: Co-lead Agency GoldSim QA/QC DRAFT work plan 01 25 2012

Stuart-

Thank you for passing this on. At ERM's request, ERM and Barr had a conference call last week to discuss the Model Input Review (Section 2.1). Fred and Peter were able to work out an agreement on what would be delivered by Barr to ERM for this phase of the work. The requested files were delivered on Friday (1/27). Given this, I don't think it is necessary for us to provide official comments on the document, but let me know if you disagree.

One comment we do have, which we raised with during the call with ERM, is related to an assumption stated in paragraph 2 on Page 3. ERM states that they are assuming Barr "will provide a document presenting all equations that have been programmed into the GoldSim software." This isn't necessarily accurate, but this may be something we need to discuss further. That is, what are the agencies expectations around documenting equations used in GoldSim, above what has already been provided in the work plans and data packages. This is something the EPA has been poking at as well. We obviously need to provide the agencies with enough detail for you to be comfortable with the modeling, but providing every equation used in the model in a document seems excessive and not necessarily all that useful.

Let me know if you have any questions or would like to discuss this further.

Tina

Tina Pint, PG

Hydrogeologist
Minneapolis office: [REDACTED]
cell: [REDACTED]
[REDACTED]

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From: Arkley, Stuart (DNR) [[mailto:\[REDACTED\]](mailto:[REDACTED])]
Sent: Wednesday, January 25, 2012 2:12 PM
To: [REDACTED] John Borovsky; Tina Pint; Peter J. Hinck
Cc: Hingsberger, Thomas J MVP; Hale, Thomas A -FS; Carlson, Erik (DNR); Johnson, Bill H (DNR); Engstrom, Jennifer N (DNR); Liljegren, Michael W (DNR); Olson, Michael (DNR); Wenz, Zach (DNR)
Subject: Co-lead Agency GoldSim QA/QC DRAFT work plan 01 25 2012

John, Jim et al,

I am forwarding the most recent draft of the QA/QC plan that has been prepared by ERM at the request of the Co-lead Agencies. This version has been informed and redrafted based on comments from a small technical team. The small technical team is asking for input in any areas the Barr/PolyMet team believes this plan to be unworkable or unclear.

Please be aware that the stage of implementation of Phase I may need to be corrected to reflect any future amendments to the Golsim Water Modeling Process flow chart.

Stuart