

## Johnson, Bill H (DNR)

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**From:** Al Trippel <[REDACTED]>  
**Sent:** Monday, July 23, 2012 9:34 AM  
**To:** Carlson, Erik (DNR)  
**Cc:** Fred Marinelli ([REDACTED]) David Blaha; Tina Pint; Houston Kempton  
**Subject:** RE: QA/QC

Erik

This reflects well what we discussed and decided.

Thanks, Al

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**From:** Carlson, Erik (DNR) [[mailto:\[REDACTED\]](mailto:[REDACTED])]  
**Sent:** Saturday, July 21, 2012 3:10 PM  
**To:** Al Trippel  
**Cc:** Fred Marinelli ([REDACTED]) David Blaha; Tina Pint  
**Subject:** QA/QC

Al,  
I'd like to recap what I understand will take place during the QA/QC process so we are on the same page moving forward. ERM will attempt to complete the Task I and Task II QA/QC at the Mine and Plant Site and issue a memo with spreadsheet to the DNR with their findings by August 17. This memo/spreadsheet will look similar to what was provided at the end of the Task I QA/QC at the Plant Site. The DNR will provide the QA/QC findings (memo and spreadsheet) to Barr on August 20. Barr will review potential errors and record "responses" in the ERM-generated spreadsheet. ERM will review the Barr "responses." Resolution of issues is achieved by August 24.

To get things going, Fred will contact Tina and set up a meeting early next week. ERM is willing to receive spreadsheets reflecting ERM-specified calculation points or the GoldSim model with imbedded programming so ERM can generate the spreadsheets themselves. If Barr provides the spreadsheets instead of the updated model, I suggest that the spreadsheets be provided as they are generated so ERM can begin work as soon as possible.

Barr is likely to provide plant site spreadsheets or a model with the additional programming first because Peter is out of the office until July 30. It is unlikely that the Mine Site spreadsheets or model can be provided to ERM until early August.

I suggest that ERM provide possible errors to Barr as they find them (ideally in the spreadsheet) so Barr can start to address issues prior to August 20. This may allow us to shave a few day off the schedule.

Finally, ERM mentioned that it may be advantageous to travel to Barr's Minneapolis office during this process. If so, I think travel plans should be made in coordination with Barr.

Please let me know if I am off target with these expectations.

Thanks, Erik

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