

## Johnson, Bill H (DNR)

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**From:** Peter J. Hinck <[REDACTED]>  
**Sent:** Friday, January 20, 2012 3:14 PM  
**To:** Fred Marinelli ([REDACTED] Houston Kempton  
([REDACTED] Carlson, Erik (DNR)  
**Cc:** Tina Pint; Cory D. Anderson; Jim Scott ([REDACTED] John Borovsky  
**Subject:** NorthMet Mine Site GoldSim inputs

Fred,

I understand that you've been tasked to check that the GoldSim model inputs match the values in the Mine Site modeling workplan documentation.

I have clipped the "Inputs" section of the Mine Site model into a standalone GoldSim model for you to review. This is the easiest method that I know of for looking at the GoldSim inputs alone—if you have another method that would work better please let me know.

The following files are included in the zipped download package:

- The GoldSim inputs model
- A GoldSim Player file of the same model (if others without a GoldSim license want to review as well),
- Relevant documents in pdf format
- Input files that are read by the GoldSim model

Note that the documentation and input folders should be saved in the same root folder as the GoldSim files in order for the links to work properly in the models.

This information is saved to my ftp site in a folder titled "ToFredMarinelli\_20Jan12".

Site address: <ftp://user.barr.com>

Username: pjh2

Password: ftppjh2

Please note that these GoldSim files were clipped out of the larger Mine Site model. I have tested to see that the Inputs model runs, but there are broken hyperlinks to other portions of the overall model. Note that there are also several inputs in this folder that may not fully match what was submitted in the workplans—especially in the "Background\_Chem" and "Stockpile\_Hydrology" containers. These are the results of the ongoing calibration process and the model true-up process, respectively. The model also contains both the "PolyMet" and "LAM" sets of geochemistry inputs to aid the comparison process; the "LAM" inputs are what was submitted in the most recent model workplan.

I'm happy to answer any questions that you have as you go through this. Please call my cell phone number (listed below) any time for clarification.

Regards,  
Peter

Peter J. Hinck, PE

Water Resources Engineer

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