

Johnson, Bill H (DNR)

From: Fred Marinelli <[REDACTED]>
Sent: Wednesday, July 18, 2012 9:42 AM
To: Peter Hinck ([REDACTED]); Cory D. Anderson; Tina Pint ([REDACTED])
Cc: Al Trippel; Carlson, Erik (DNR); David Blaha; Houston Kempton; Paul Haby; John L. Adams; Fred Marinelli

Site: Mine Site
Activity: GoldSim Task 2 QA
Issue: Cat 1 stockpile
pH during closure with geomembrane installed

Model appears to be using a P50 pH = 7.25, which is appropriate for a soil cover.
Input tables indicate that the model should use P50 pH = 7.95 for a geomembrane cover.

We believe the programming issue is in Element ID: Cat1SP_pH_Current.

Cat 1 pH affects numerous geochemical calculations involving the concentration of constituents in Cat 1 seepage.

Recommend discussing this issue with Barr. Please provide authorization to forward this email to Peter Hinks and Tina Pint (if appropriate).

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Fred Marinelli
Senior Groundwater Hydrologist

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