

Jeff Froese

Subject: MRT Meeting
Location: Conference Call

Start: Tue 2019-09-03 10:30 AM
End: Tue 2019-09-03 12:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Mike Iwanyshyn
Required Attendees: Walter Ceroici (Walter.Ceroici@nrcb.ca); Andy Cumming; Stephanie Fleck; Kevin Seward; Jeff Froese; Kari Lisowski

A MRT meeting requested by Jeff (thank you for the quick initial responses regarding this). If possible, we can try to connect by conference call (1-877-385-4099; conference ID 8870412#).

Additional details below and attached. Let me know if there are any issues. Thanks.

Mike

From Jeff:

I have a dairy where on a preliminary risk screening the EMS posed a moderate risk to groundwater and a low risk to surface water. After I collected additional info from the CFO owner and went over the file a second time, I re-did the ERST. On the second risk screening the EMS comes out as a low to groundwater and surface water. What I would like to discuss with the group is why there is a change in risk scores and what the NRCB should be doing going forward.

Reasons for the changed scores:

- Stratigraphy at the site based on water well logs is till from ground to somewhere between 3.7 m and 6.7 m deep. Below the till is sandstone and the UGR at a depth of 13.7 m. Depending on which water well log you look at the sandstone produces between 120 L/min and 20 L/min.
- My first risk screening assumed that there was no protective layer remaining as the EMS is reported to be about 3.7 m deep. Considering that the EMS was built in the early 1990s with no known geotech report, evidence of a constructed liner, or other liner, it is likely based on my conversation with Scott C. that they excavated until it got too hard for the machinery then stopped.
- The second risk screening used the sandstone between the UGR and the facility as the protective layer.

This is a relatively small dairy that is located within a no new or expanding zone that surrounds the Town of Ponoka. Despite the second low risk score, I think that at minimum more information is required from the dairy, what form and how the NRCB should proceed is a question I would like to discuss with you. I have a few ideas that have been discussed with Kari, lets discuss them as a group next week.

Otherwise, this dairy wants to construct a barn addition (new pits to better manage manure) and a calf lean to.



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