

From: Ron Martel [rmartel@mountpolley.com]
Sent: Tuesday, June 28, 2005 9:18 PM
To: Ken Brouwer
CC: Howard Bradley; Terry Isaacs; Terry Isaacs
Subject: Freeboard at Polley

Ken.

I as well like to think about this stuff before bed...

The current water elevation in the is TSF 942.175m...

With the 1.39m allowance for PMP (including freshet) and wave run-up...the adjusted elevation is 943.46m (say 943.5m)

Therefore, with little to no till placed this year...we must revisit our schedule...we have 0.5m to go before we enter our freeboard. This equates to approximately 8 weeks production (average weather conditions).

The test trial at the South Dam went very well... Zone U went in well and has similar characteristic as Tailings Cyclone sands. We would like to proceed along the Western Part of the Main Embankment, that is, raise the till core 2 meters and fill the upstream cell (100 to 150 m in length) to an elevation of 2m (i.e.. level with the till)... if we use this construction approach we might be at risk with respect to freeboard.

Here is the question, does the 15 to 18 m wide CBL zone complete with a nominal 2 meter high berm on the upstream side provide sufficient Wave runoff dissipation capacity to mitigate the 1 meter requirement in part or in full? Bare in mind the water is several hundred meters away (at the current water elevation)

In Quebec, I have seen break walls install in closed Tailings ponds to partly alleviate this requirement.

Ken, your thoughts are greatly appreciated...

PS. We have a tailings progress meeting tomorrow at 2:30 pm