

**From:** Les Galbraith  
**Sent:** Friday, April 07, 2006 8:59 AM  
**To:** Amanda Strouth  
**CC:** Ken Brouwer  
**Subject:** RE: Drill rig booked for Monday, May 8th (Mt Polley)

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**From:** Amanda Strouth  
**Sent:** Thursday, April 06, 2006 1:57 PM  
**To:** Les Galbraith  
**Cc:** Ken Brouwer  
**Subject:** Drill rig booked for Monday, May 8th (Mt Polley)

Les,

I talked to Steve at Geotech Drilling Services. Monday, May 8th is the official mobilization date. Tera (MPMC) will get him a PO by Monday. The downstream foreman is confident that the drill pads will be ready by the end of April.

Steve says, "if the client does not specify how to seal the Shelby tubes we would supply a cap and seal it with duct tape, however we are happy to seal them with wax if that is preferred." [Les Galbraith] [If the cap and duct tape provide an air tight seal it will be fine..](#) So, let me know if you would prefer wax so I can be sure the drilling company brings out the proper supplies.

Heads up:

Ron, is questioning why the Stage 5 drawings increase the Zone S crest from 6m to 8m. I told him it was because the downstream Zone S slope increases from 2:1 to 0.5:1 and the Zone T and F needs to tie into the Stage 3C Zone F and T. Ron tells me he has brought this question up to you.

The reason it is coming up:

Mark did not have survey support for the southern end of the PE, he put in alot of the survey stakes. So,he overbuilt on the downstream side to be sure the core was not underbuilt. He justified this because the Ultimate drawings showed a triangle of additional downstream fill to be placed in Stage 5. It will be much more difficult to place that additional material later on. Once survey support increased Ron had the surveyors placing stakes according to the Stage 4 drawings to minimize till, so there a seccion of the PE where the till steps out and then is brought back in. Ron raised the question at last weeks meeting whether we should be overbuilding now to prepare for Stage 5 or if we should stake to Stage 4 and worry about the extra till later. It was decided to continue to placeing stakes according to Stage 4; however, the question will be raised again when we begin going up to 948m next week.

[Les Galbraith] [The width of the till was not increased for Stage 5. The width of the till was decreased to 6m for Stage 4 because MPMC wanted to limit the construction program to a till cap and we did not have room to put in a 8m wide core. This was recognized as a temporary reduction in the width of the core. The core width returns to 8m wide for the Stage 5 construction program as the d/s slope returns to](#)

0.5:1, as you mentioned above. I know that Ron is looking at KP to consider reducing the core width to 6m to save on till but that decision has not been made yet and he should not be using the Stage 4 temporary reduction in width as precedent for this. The Stage 5 program will extent the 6m width of the core for Stage 4 to 8m.

The work that is being completed now should be based on the Stage 4 drawings, not what is likely to happen in Stage 5. There is a "triangle" of Zone S in Stage 5 that is required to bring the dams back in line with the modified centerline construction method. There is also Zones F and T that have to be installed in Stage 5. The current elevation of Zones F and T is approximately 945m, so any overbuilt core on top of the existing Zones F and T will have to be removed to expose these Zones for Stage 5. A quick guess is that approximately 50% of the overbuilt material would have to be removed during Stage 5 to expose the drains. Besides, we have not issued any Stage 5 drawings yet so I am not sure what drawings they are referring to when they are looking ahead at the Stage 5 program. The triangular wedge will have to be keyed into the existing core. We (KP and MPMC) new that reducing the Stage 4 program to a till cap would result in a lot of finicky work to be completed during Stage 5 to get the dam back on track on line to how it was designed. We can discuss this next week when I am on site.

Les

Hopefully this is helpful and not confusing.

Amanda

-----Original Message-----

**From:** Les Galbraith

**Sent:** Thu 06/04/2006 8:55 AM

**To:** Amanda Strouth

**Cc:**

**Subject:** RE: booking the drill rig for May??

Amanda:

I am not sure why Ron is ducking this activity. Booking the rig needs a P.O. from MPMC so he will at least have to do that. You can book the drill rig for May but you are booking it for MPMC not KP. Make sure Ron knows that if the drill pads are not ready then it is not our fault if the rig is on site charging standby time. The inclinometers have to go in before they are placing Zone C material above them, which doesn't sound like it will be any time soon. When you talk to geotech drilling ask them what they will be supplying with the shelby tubes to seal the ends (stoppers with "O" rings and wax)?

Les

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**From:** Amanda Strouth

**Sent:** Thursday, April 06, 2006 7:19 AM

**To:** Les Galbraith

**Subject:** booking the drill rig for May??

Les,

The inclinometer pads should be ready by the the end of April (conservative estimate). Can I book the drill rig for May (when ever Geotech is available)?

Ron wants nothing to do with booking the rig.

Amanda