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**Cc:** [lanceclarke@nalcenergy.com](mailto:lanceclarke@nalcenergy.com)  
**Subject:** Fw: MWH Action items  
**Date:** Thursday, October 25, 2012 3:23:25 PM

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Sorry Gents....meant to cc: you on this as well



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You owe it to yourself, and your family, to make it home safely every day. What have you done today so that nobody gets hurt?

----- Forwarded by James Meaney/NLHydro on 10/25/2012 03:22 PM -----

**From:** James Meaney/NLHydro  
**To:** Paul Harrington/NLHydro@NLHydro  
**Cc:** Jason Kean/NLHydro@NLHydro  
**Date:** 10/25/2012 03:22 PM  
**Subject:** Re: MWH Action items

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Hi Paul

Your note below is consistent with the list of questions / takeaways I took down during the meeting.

I obtained Charles Bown's approval to release the MHI draft report to MWH. It has been posted to the Intralinks data room with "read only" access at this time, given the sensitivity surrounding the document.

Regards,

Jim



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Paul Harrington---10/25/2012 02:48:09 PM---Following the meeting with MWH in Boston we have the following items to follow up with- pls cc Jason

From: Paul Harrington/NLHydro

To: Jason Kean/NLHydro@NLHydro, Bob Barnes/NLHydro@NLHydro, Lance Clarke/NLHydro@NLHydro, Geoff Marshall/NLHydro@NLHYDRO, Ron Power/NLHydro@NLHydro, Kyle Tucker/NLHydro@NLHydro

Cc: Peter Madden/NLHydro@NLHYDRO, James Meaney/NLHydro@NLHYDRO, Gilbert Bennett/NLHydro@NLHydro

Date: 10/25/2012 02:48 PM

Subject: MWH Action items

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Following the meeting with MWH in Boston we have the following items to follow up with- pls cc Jason and me when response sent and item cleared. Feel free to take direct contact with MWH to clarify these precis notes below, but always put the response on record

Nik raised the issue of the high flowrates into the powerhouse and asked if there was a weir or rock trap that would prevent boulders from moving into the TG intakes - *Bob please prepare a response and send to Nik*

Aconex issues were identified as taking hours to download a file and then crashing - *Geoff pls follow up and advise when cleared*

Contracts - in order to meet the schedule for a preliminary report MWH are asking if they can see the contracts for TG sets, SOBI ,and other contracts and PO's not just the RFP - We explained the reasoning, that they were not executed yet. Can we look into giving them access to the contract documents with any open items highlighted, if we wait too long on this we could get a more negative review- *Lance please consider and see what is possible to do given the circumstances*

Bulk Excavation - they asked how the JV is structured - *Lance can pls you advise Rey*

Geotech basis Report - Rey wanted to know if there was a part A (By Nalcor) and Part B (by contractor) - Bob please review and let Rey/Nik know how we are treating the GBR

Performance Guarantees- Nik and Rey were probing the issue of overall responsibility for performance of the units, they used the example of the TG supplier has a Performance guarantee however that performance can be attenuated by poorly designed water passages, poorly shaped/constructed/rough water passages. They wanted to know how this was being addressed and if there were designed-in means of measuring flows, pressures at various points in the structures in/out passages of the TG sets, that would be able to isolate the responsibility for the loss of performance, they said this is something that ends up as a finger pointing issue that can not be easily resolved without a means of measuring the - *Bob please prepare a technical note on this matter*

Excavation Contract- there was much debate and opinion regarding over/under excavation and the need for either more concrete in the case of overbreak and more rock removal by machine/hand in the case of

under break, the issue seemed to come down to the fact that this *was inevitable in MWH's opinion and that there must be a cost/schedule allowance for this - Ron, can you please comment on this and respond to MWH how we are dealing with this i.e do we have it covered?*

MWH asked about how the interfaces would be handled with building the transmission line between contractors and how to avoid claims and rework - *Kyle can you pls respond to this question*

Estimate -the agreed action was to put the cost/schedule summary document into the Data room, followed by the Basis of Estimate and supporting printouts then from this MWH would visit St Johns and conduct a deep dive on a selected item eg powerhouse- *Jason please follow through*

10 MHI report - a copy was requested - *Jim Meaney pls follow through with Gov regarding this request*

Jason/Jim- if I have missed anything pls add to the above listing

Regards Paul



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