

From: [James Meaney](#)  
 To: [Lance Clarke](#); [Paul Harrington](#)  
 Cc: [Jason Kean](#)  
 Subject: Re: MWH Action Items  
 Date: Thursday, October 25, 2012 5:41:03 PM  
 Importance: High

---

Hi Lance,

Which of the questions below are causing you concern...is it mainly #3?

Thanks  
 Jim

This Email was sent from a Blackberry wireless handheld. The Email, including attachments, is confidential and proprietary. If you are not the intended recipient, any redistribution or copying of this message is prohibited. If you have received this Email in error, please notify us immediately by return Email, and delete this Email message.

Lance Clarke---10/25/2012 03:59 PM NDT---This meeting clearly went well beyond it's intended purpose. I have had discussion with Rey on a co

From:	Lance Clarke
To:	Paul Harrington
Cc:	James Meaney; Jason Kean
Date:	10/25/2012 03:59 PM NDT
Subject:	Re: MWH Action items

---

This meeting clearly went well beyond it's intended purpose. I have had discussion with Rey on a couple of these items already. I think I need to talk with Nik on a couple of points if this persists, ie doesn't like my answer so brings it up elsewhere.

For the near future I will be attending all meetings with MWH.

rgds

---

Lance Clarke  
 Commercial Manager (Consultant)  
 Nalcor Energy - Lower Churchill Project

Direct Phone: 709-737-1245  
 Toll Free: 1-888-576-5454 (Canada Only)  
 Fax: 709-737-1985  
 Email: [lanceclarke@nalcorenergy.com](mailto:lanceclarke@nalcorenergy.com)  
 Website: <http://www.nalcorenergy.com>

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

---

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



Paul Harrington Project Director  
LC Mgmt & Support  
Nalcor Energy - Lower Churchill  
Project  
t. 709 737-1907 c. 709 682-1460  
f. 709 737-1985  
e.  
[PHarrington@nalcorenergy.com](mailto:PHarrington@nalcorenergy.com)  
w. [nalcorenergy.com](http://nalcorenergy.com)  
1.888.576.5454

This email communication is confidential and legally privileged. Any unauthorized reproduction, distribution or disclosure of this email or any attachments is strictly prohibited. Please destroy/delete this email communication and attachments and notify me if this email was misdirected to you.