

From: robertwoolgar@lowerchurchillproject.ca
To: pharrington@lowerchurchillproject.ca
Cc: scottobrien@lowerchurchillproject.ca
Subject: Independent Engineer Debrief
Date: Wednesday, November 26, 2014 9:18:07 PM

Hi Paul - I feel today went well and overall the site visit was successful. We held our debrief at 9:00 and there was interest amongst the team to head back to site. Taking into consideration Nik and John's request to get "closer" to the construction, we had Rod Fifield drive Nik and John to site at 11:00 to meet with Bill Knox and have a thorough tour of the site. The remainder of the team were also hoping to get back to site and have another look at site, so we had the bus pick everyone up after lunch and have a separate tour to the one Nik and John did. At that point, I headed to the airport to take an earlier flight back to STJ and Scott/ Gilbert/ Jim went with the group to site - my understanding from talking to Scott and Bill is that tours went well and everyone had a chance to see what they wanted (including Nik and John). I did take a couple of notes from the debrief and following are some comments that were made...

Joe noted his appreciation and thank-you for another good visit, but noted that he would like the IE to have more information on schedule and for future visits to understand where progress is against schedule...

Although hard to plan around activities at site, it was noted that when future trips are booked, that they would be willing to adjust their schedules around that time frame to accommodate being at site during a pour or tower erection - team actually had a chance today to see a tower erection...

It was noted that next visit in summer, a helicopter survey should be arranged for transmission line...

Smaller team site visits work well and future tours should consider having more of these "break-out" groups...

It was noted that taking video of tower erection would be good idea for future reference...

It was noted for next year that good timing for visits could be around spring runoff/ ice break-up and a summer visit...

Schedule kept coming up (Note: I did not comment on schedule, only to note that I understand that this was a common theme today and could be reviewed for future meetings)...

Nik noted that he is interested to go to site in the winter to witness a concrete pour during cold winter temperatures...

They discussed Quality/ ITP's a bit - more around concrete pours in winter - I noted that this could be a possible topic for future meetings - presentations on Quality Assurance by component...

As construction continues to ramp up, there will be more to see and consideration should be given to having longer site visits to allow time to see all facets of construction...

The above are notes that were gathered when I went around the table one person at a time to allow them the opportunity to comment on how they felt the visit went and any other comments they might have - I can provide more details on visit when we are both back in the office

Thank-you,

Robert

Robert Woolgar, P.Eng.

Deputy Project Manager - MF Generation

PROJECT DELIVERY TEAM

Lower Churchill Project

t. 709-778-6677 c. 709 699-9684 f. 709-754-0787

e. RobertWoolgar@lowerchurchillproject.ca

w. musktratfalls.nalcorenergy.com

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 Robert Woolgar/NLHydro on 11/26/2014 08:40 PM -----

From: Robert Woolgar/NLHydro

To: Paul Harrington/NLHydro@NLHydro,

Cc: Stephanie Stewart/LCP/NLHydro@NLHYDRO, Scott O'Brien/NLHydro@NLHYDRO, Kyle Tucker/NLHydro@NLHydro

Date: 11/25/2014 07:04 PM

Subject: Independent Engineer Summary

Hi Paul - following is an update on the last 2 days...

Monday 24-Nov

Attendees

MWH - Nik Argirov; John Young; Hamdy Kahlill

NRCAN - Joe Krupski; John Medland

GNL - Cory Grandy; Cluney Mercer; Emiliano Mancini

LCP - Jason/ Robert/ Stephanie/ Jim

Presentations

Component 1 - Scott

Component 3 - Darren

Component 4 - Kyle

SOBI - Greg

There was general discussion through out and questions - the logistics plan was reviewed for site days - overall, I felt the presentations went very well and discussions were positive...

Tuesday 25-Nov

10:00 - 11:30 ---> North Spur

Al Hacker/ Don Ritchie/ Kevin Mullins led the tour. Started with safety orientation at Valard offices on North Spur. Tour included erected towers at various locations along North Spur.

From my assessment watching the group and interactions, team appeared impressed with progress and the overall scope of the work.

Attendees

MWH - Nik Argirov; John Young; Hamdy Kahlill

NRCAN - Joe Krupski; John Medland

GNL - Cory Grandy; Cluney Mercer; Emiliano Mancini

LCP - Robert/ Scott/ Gilbert/ Kyle/ Gokhan/ Stephanie

11:30 - 4:00 ---> Tour of LTA and LITL Transmission Lines

Separate group (Kyle/ Gokhan/ Hamdy) did tour of transmission sites - Kyle, from our brief conversation in the hotel lobby, it appeared this visit went well - can you provide details regarding the tour...

11:30 - 12:30 ---> Transit to Muskrat Falls Camp

MWH - Nik Argirov; John Young

NRCAN - Joe Krupski; John Medland

GNL - Cory Grandy; Cluney Mercer; Emiliano Mancini

LCP - Robert/ Scott/ Gilbert/ Stephanie

12:30 - 2:00 ---> Lunch at KDR - before leaving, we did look at a room in accommodations complex for those that have not been to site before...

2:00 - 3:00 ---> Tayseer Hassanein led a tour of the concrete lab - tour focused around RCC Trial Mix Program and an overview of the lab/ equipment...

3:00 - 4:00 ---> Roy Collier led a tour of the Powerhouse/ Spillway area - we were a bit tight on time so we kept group on RCC dam and conducted tour from there...

5:00 ---> arrived back at hotel...

There is interest from a number of people to go back to site tomorrow after debrief and to go down to the powerhouse and Spillway area - I plan on reviewing this in the morning and planning an approach to tomorrow to conduct another visit, with a smaller group.

Overall, I feel like day went well and everyone saw what they were hoping to see - outside of detailed review that John and Nik will have tomorrow...

Thank-you,

Robert

Robert Woolgar, P.Eng.

Deputy Project Manager - MF Generation

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