



Minutes of Meeting

Project:	Lower Churchill Project	Contract # if applicable	
Purpose:	To discuss Nalcor's proposed reservoir preparation plan and provincial government regulations	Rec. No:	
Venue:	Hydro Place, Muskrat Falls Room	Date / Time:	February 17, 2010

Attendees:	Keith Deering (DNR) Colin Carroll (DNR)	Bob Barnes (LCP) Todd Burlingame (LCP) Ken Brophy (LCP) Marion Organ (LCP) Rosanne Williams (LCP) Lance Clarke (LCP)	
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Distribution:		
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Recorded by:	Rosanne Williams	Signature:	
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NOTES

	Description
	[Marion presented Nalcor's proposed reservoir preparation plan, which was the basis for discussion]
Marion	Initiated introductions around the table
Marion	Started her presentation with a safety moment
Todd	Discussed working with the Department of Forestry to try and avoid any differences at hearings.
Todd	Noted base case concept graph will need to be redeveloped to show scale. A revised graph will be a better representation for the general public.
Keith	What about the trees sticking up over the low supply level?
Bob	We considered just cutting off the tops however logistically this is difficult. Trees sticking up will be cleared.
Colin	What class roads will you be using during construction?
Marion	B class
Colin	Why B class?
Marion	For the transportation of people and equipment we have to construct high quality roads.
Bob	Harvey Taylor worked with us to develop the plan and he had a wealth of knowledge about the forestry industry.



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Keith and Colin	Both supported Bob's statement and indicated that they knew Harvey and agreed that he was one of the best people that Nalcor could have retained for work.
Todd	From an environmental perspective partial clearing is a preferred method to decrease the level of methylmercury in the river. With partial clearing we will have less soil disturbance therefore less mercury entering the river.
Colin	Will you have designated area for Raptor habitat?
Marion	We will remove the nest and create an alternative nest site.
Bob	We contracted a GIS technician to work with Harvey Taylor and together they went over the map area inch by inch and created an incredible study, including the location of raptor nests.
Marion	From our perspective we concluded that 2/3 of the reservoir can not be cleared safely.
Colin	We didn't work out any numbers but we know that it would be relatively impossible to fully clear the reservoir.
Keith	We would not expect anything more than 30% slope.
Keith	What has Transport Canada said about log driving?
Todd	We had an analysis done on log driving.
Bob	There is a concern about the safety of log driving.
Keith	You are pushing the envelope with 45 degree slope, I have seen equipment tumble on a lot less slope.
Colin	Many factors come into play other than slope such as weather and soil. Increased slopes are safety hazards.
Keith	We will need to revisit the 45% slope, harvesters complained about 30% slope.
Keith	We share the objective to get as much wood out as possible however we will need to be safe
Bob	We need to come up with strategic ways to decrease trash regardless of level of trash.
Todd	Our approach to this during the EA process has been to be conservative and it is good to hear that a 30% slope is the maximum.
Keith	If you want to revisit this we can bring to the table the District 19 map to show the slopes. There may be some places that you can get 45% but there are safety issues. Next time you have people in Goose Bay I can bring you to a place where we approached 30% slope and encountered problems.
Bob	This information is critical to us during the contract phase
Colin	Logging is very dangerous work especially heli-logging which is one of the most dangerous jobs in the world.
Colin	There is bug kill wood in this area and it is dangerous to work with because it explodes when harvesters grab it.
Bob	What do you mean by explode?



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Colin	When a harvester grabs the tree with his machine it will crumble.
Colin	The soil is also unsafe in areas with bug kill wood.
Bob	Will the dead wood float or sink?
Colin	Float
Todd	Is there any commercial value in the dead wood?
Colin	Yes, dead wood is great for wood pellets because it is already dry.
Colin	We are currently developing roads in District 19 at a rate of 2 km per year.
Keith	We have an overall budget of 5 km/yr
Colin	The Director for roads is Eric Young. You can talk to me and him about road standards and bridges.
Bob	We will need to talk about your plans going forward over the next few years for the design of new bridges.
Marion	How much activity is currently taking place in the project area right now?
Colin	There is zero activity going on in the Project area right now
Marion	I will send you a map book of the clearing area.
Colin	Areas A & B are in Red Wine Caribou zones
Todd	We are in the middle of responding to the final round of IR responses and would like to review our response with you.
Keith	<p>It may be appropriate to discuss where we are coming from. One of the things we are thinking of is the future of forestry products in the province. Our Marketing piece is not complete and we are not sure when it will be done.</p> <p>Nunatsiavut Government presented a business plan for forestry resources and there was a conflict with the LMN. The NG came back with a second plan much different from the first. NG has been notified that their plan was not accepted and the department is going to issue a new RFP.</p>
Todd	An option could be for Forestry to send out the RFP and direct bidders to Nalcor.
Bob	What kind of timber volume is needed to support an industry?
Keith	200,000 m3
Colin	We don't know if we will get large companies interested in the volume.
Lance	Our approach is to cut to the flood line and pile wood and let people come in and take the wood. Is there opportunity to engage in clearing in the area as part of Forestry Management Plan?
Keith	Can't approve volume of timber in District 19 until Project is sanctioned.
Bob	Is Muskrat Fall in 19A?
Keith	Yes. Our plan is to focus on the Muskrat Falls area if the Project is sanctioned.
Todd	If you see value in us working together to enhance the fiber based industry we have a good opportunity to help everyone out. We can offer some advice into your RFP.



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Colin	We will need to communicate on the crossings and bridges.
Keith	With regards to the panel you can count on us to support the 30% max slope rule
Colin	We can offer support on harvesting methods.
Bob	It wouldn't hurt to have a second set of eyes on our plan.
Colin	Our 5 year operating plan is based on Forestry Management and Harvesting. District 19 is split into 3 sections, A, B and C, for planning purposes and management.
Keith	We are currently only managing 19A
Bob	Do you keep an inventory on locations of dead trees, such as ones affected by the Spruce Bud Worm?
Colin	Yes
Colin	Hemlock Looper hasn't grown last year.
Bob	Can we get that information?
Colin	Yes, we can provide this data.
Keith	As well it should be noted that 26% of the 500,000m3 of wood at Muskrat Falls will be rotten.
Marion	We are also interested in winter clearing and the Department's experience with this approach in Labrador.

ACTIONS

Item No.	Description	Action / Date
1	Site visit with Forestry Division during the winter. Marion to contact Colin before snow goes.	
2	Nalcor to provide info to Forestry on crossings. Bob connect with Colin and sit down together by the 2 nd week of March.	2 nd week march
3	Colin would like to see Nalcor's plans on B Class roads. Marion will coordinate with Colin.	
4	Review IR responses in early April. Marion and Colin	Early April
5	Lance to connect with Colin on EOI due out in March. Lance and Marion will be support on proposals.	
6	Marion to send Keith and Colin map book of area clearing	



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