Nunavut Impact Reivew Board Commitment List - November 26-28, 2013 Technical Meeting for Baffinland Iron Mines Corp.'s Mary River Project Early Revenue Phase proposal

Commitment #	Related TRC	Intervenor	Commitment	Timeline / Notes		
	Day 1					
			Conclusions/Alternatives etc.			
N/A						
			Physical Environment			
1	EC-1	EC	Baffinland commits to a minimum of 3 years of continuous monitoring for S0 ₂ and NOx at the port sites following the start of shipment of ore and will review the continuation of this program based on the results of the monitoring and through consultation with EC. Baffinland commits to re-visit this monitoring program should the Project change significantly.			
			Marine Environment			
2	6	GN	For environmental effects monitoring, Baffinland commits to conduct aerial surveys for a sufficient length of time (as determined by the MEWG) to monitor for marine mammal presence including for polar bears during shipping of ore from Milne Port. Baffinland commits to not ship through ice such that it would create a ship track.			
	T		Marine Environment			
3	1	Hamlet	Baffinland commits to update its Popular and Executive Summaries within the Final Environmental Impact Statement Addendum to include wording that makes clear, its intention to continue the Early Revenue Phase activities as proposed for the life of the project. Baffinland commits to return to Pond Inlet and to present this information to the community prior to the NIRB's Public Hearing for the 12.8.2 reconsideration of the Mary River Project Certificate.			
4	EC-1	EC	Baffinland commits to collaborate with EC on seabird related research along the Northern route, noting that EC's seabird team will develop a proposal to track seabirds to confirm their foraging areas.	EC will develop a 3-year seabird research proposal in December 2013 for Baffinland's review in January 2014.		
5	2.5	DFO	Baffinland confirms that aerial marine mammal baseline studies were conducted in Milne Inlet, Navy Board Inlet, and Western Eclipse Sound during 2013; it will provide an overview of those studies, including methodologies employed to DFO before December 25, 2013. Baffinland commits to providing a draft report on the Bruce Head monitoring to the NIRB in mid-January 2014. The NIRB will provide this to all parties.			

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The Proponent shall incorporate into the appropriate monitoring plans the following items: """ """ """ """ """ """ """	7 FM-06 QIA	A	QIA believes that 2015 will be a critical year to collect data in the area. Baffinland agrees that the narwhal monitoring program can be conducted for a minimum of 3 years. Term and Condition 101 should be amended to read as follows: The Proponent shall incorporate into the appropriate monitoring plans the following items: g. Shore-based observations of narwhal behavior in Milne Inlet that continues at an appropriate frequency throughout the proposed ERP (and not for less than 3 years);	
109. The Proponent shall conduct a monitoring program to confirm the predictions in the FEIS with respect to disturbance effects from ships noise on the distribution and occurrence of marine mammals. The survey shall be designed to address effects during the shipping season and include locations in Hudson Strait, Foxe Bank Millen Inlet and Eclipse Sound. Surveys and other monitoring tools (such as passive acoustics) shall continue over a sufficiently lengthy period (as determined by the MEWG) to determine the extent to which habituation occurs for narwhal, beluga, bowhead and walrus. Rewording for Conditions 97 and 176: For the Northern and Southern shipping routes, prior to the shipment of iron ore, the Proponent shall conduct additional fuel spill modelling along the shipping route in order to inform spill response preparedness. The Proponent shall engage with EC, CCG and TC for the development of its spill response plan. Fuel spill modelling locations along the shipping routes shall be validated by Environment Canada Science Table. DFO 2.2, 2.12, 2.13, 2.14, 2.13, 2.14, 2.15 and 2.18 Baffinland will provide the framework for the proposed monitoring program which is being developed to monitor the impacts of shipping on narwhal. Baffinland commits to provide this framework to DFO in early January 2014 prior to the deadline for the final written submissions. Baffinland commits to provide Parks Canada with shipping schedules on a daily basis as needed and with air traffic information on an annual basis and to provide updates as required.			Amend Condition 109 to read as follows:	
For the Northern and Southern shipping routes, prior to the shipment of iron ore, the Proponent shall conduct additional fuel spill modelling along the shipping route in order to inform spill response preparedness. The Proponent shall engage with EC, CCG and TC for the development of its spill response plan. Fuel spill modelling locations along the shipping routes shall be validated by Environment Canada Science Table. Day 3 Marine Environment DFO 2.2, 2.12, 2.13, 2.14, 2.15 and 2.18 Baffinland will provide the framework for the proposed monitoring program which is being developed to monitor the impacts of shipping on narwhal. Baffinland commits to provide this framework to DFO in early January 2014 prior to the deadline for the final written submissions. Baffinland commits to provide Parks Canada with shipping schedules on a daily basis as needed and with air traffic information on an annual basis and to provide updates as required.	8 FM-04 QI <i>A</i>	\$ •	FEIS with respect to disturbance effects from ships noise on the distribution and occurrence of marine mammals. The survey shall be designed to address effects during the shipping season and include locations in Hudson Strait, Foxe Basin, Milne Inlet and Eclipse Sound. Surveys and other monitoring tools (such as passive acoustics) shall continue over a sufficiently lengthy period (as determined by the MEWG) to determine	
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10 PC PCA-1 needed and with air traffic information on an annual basis and to provide updates as required.	9 DFO 2.1	-O 2.2, 2.12, 13, 2.14, 15 and 2.18	developed to monitor the impacts of shipping on narwhal. Baffinland commits to provide this framework to DFO in early January 2014 prior to the deadline for the final written	
Freshwater Environment	10 PC PC	CA-1	needed and with air traffic information on an annual basis and to provide updates as	
			Freshwater Environment	
Baffinland commits to incorporating eutrophication monitoring into its aquatic effects monitoring program.	11 EC EC	:-9		
T () - 1 MPI PP.			Terrestrial Wildlife	

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12	GN	3	Baffinland commits to updating its TEMMP to include a section on mitigation measures suggested within its response to technical review comments based on best practices from other projects operating in similar conditions (including those specific to operating during periods of darkness). Baffinland commits to provide the GN with its revised interim TEMMP for comment by the end of 2013.	
13	NIRB	NIRB question on visual representation on the spacing of ore trucks	Baffinland commits to provide within its presentation materials for the NIRB's Public Hearing, a visual aid which portrays the spacing of ore trucks along the Tote Road.	
			Socio-Economic Environment	
14	NIRB & QIA	NIRB request for detailed labour market analysis for ERP	Baffinland commits to provide the NIRB with a detailed labour market analysis as well as a listing of formal certificates and licences that may be acquired via on site training as pertaining to the Early Revenue Phase at the same time it provides similar information as required per Term and Conditions 137 and 139 by December 27, 2013.	
			Marine Environment	
15	GN	5	Baffinland commits to provide the GN with its Polar Bear Deterrent Plan for review for the first week of January 2014.	
16	DFO	2.7	Baffinland commits to provide DFO with its prediction of the timing and extent of the albedo effects of dustfall at Milne Port and to incorporate a description of melt-out patterns in the Milne Inlet area by December 25, 2013.	
17	QIA	QIA FM-03	Baffinland and QIA agree to rewording of Project Certificate Term and Condition 99 item (a) to change "all seasons" to "shipping season" and to include monitoring at "Milne Inlet Port". Item (c, ii.) shore based observations of narwhal behaviour - addition of a 3 year program.	
18	QIA	QIA C-02	Baffinland commits to characterize the quality and quantity of any sediment disposed of on land as a result of dredging activites, should such disposal be required.	
19	QIA	QIA C-06	Baffinland commits to remove all culverts from the tote road at project closure, subject to consultation with QIA and other parties as required.	
20	DFO	DFO 2.9	Baffinland commits to provide DFO with its assessment for dredging of Milne Port prior to December 25, 2013.	
21	QIA & DFO	QIA FM-06, DFO 2.16	Baffinland commits to revise its Ballast Water Risk Assessment and will provide this revised assessment to DFO and QIA by December 15, 2013.	

Outstanding Issues tracked: Technical Meeting November 26-28, 2013

		Day 1	Raffinland Recounce
		Conclusions/Alter	natives etc.
AANDC	1	initially alsed to comment on the amendment to of the PC, did not loow it was for the file of the project. Sand of the poject was patitibate but the EFP was proposed for the file of the Poject, and do not tee that augmenting commonical patients that times, the teconical of anywive under EF2.2. The committed of the PC and the PC	Buffinland provided an assessment for the ERP to go on for the life of the project. It is difficult for the company to commit to a shorter period of ERP operation.
		Marine Enviro	nment
DFO	2.9	DIO asked laffinland to confirm is dredging will be done at Milne Port. Buffinland stated that they will follow the PO Operational Statement for Maintenance Dredging. This Statement is for dredging work that has been seasested for impacts at some point. DFO onces information on the potential impacts of the dredging activities and its impacts on fish and fish habitat. NRB asked the timing for the assessment. DFO wants the assessment as part of the EIS.	Balfinland will work with DFO to provide the assessment for dredging of Milne Port - committed Balfinland is going to be working on additional groatechnical investigations for the dredging work, and Balfinland thinks that there will be a fairly fast turnaround for the submission of the information.
PC	PCA-1	Will the information on the website be updated enough so that PC can check ship schedules passing by National Parks?	Right now, the website is not updated enough, but Baffinland will make this information available.
QIA DFO	FM-06 2.16	Unto conceive source or various report. With respect to term and condition related to ballast water discharges - there was a meeting between DFO and Billfriland on ballast discharge traues. Can we expect more marked on ballast water discharge and what is the timeline for new material to be submitted?	Baffiniand has comulted with DFD with regards to ballast water risk assessment calculations and conclusion was while there were some corrections to be made within the calculations, the outcome of the assessment was not different within the Addendum. Baffiniand will be reveiling the Ballast Water Risk Assessment. The revisions to the assessment will be refeased within a matter of days COMMITTED OF communicated on the National Ballast Water Risk Assessment Protocol that will be made available to Baffiniand. DFD outcome the Addendum and the Risk Assessment Protocol that will be demand available to Baffiniand. DFD outcome to the Risk Risk Risk Risk Risk Risk Risk Risk
DFO	2.7	DFO's concern relates to dust collection during the winter time. There is no information on the impact of dust on landfast ice. DFO would like to see a relevant analysis of dust on landfast ic at Alline due to the stockpilling of ore. Section 2.5.3 FEIS Addendum - there is no information provided for review.	Figure 8-3.11 is an incorrect one, the figure we should have used is Figure 5-2.12. Baffinland will make a note of this error. Baffinland will check the information presented in the correct figure and evaluate if it represents the assessment conducted in this section COMMITTED
Hamlet Pond Inlet		Not clear life of project intention for ERP - request assistance for Hamlet it reviewing technical info. Noting deadlime looming for final written submissions, but that community not understand 'phase' of "Early Revenue Phase" does not have a clear beginning and ending per translation of the word "obase".	
мнто		HITO has concerns not only on ballet water but also on sours. There are very few finel left, this is accomend for the husters. There is also a reduced unumber of seal and norwhall. It there are used forcare by difficulties in Miller level or seal of the seal	Seabed characterization was done with sonar. Baffinland will provide a further discussion with impacts to fish.
NIRB	Response to Baffinland recommendation on amendment of Condition 173	Condition 13th and spend text requires Baffinisand to employ full containment both. Baffinish and the state of the state of the state of the state of the wording for full containment booms. NRBs is looking for further clarification or justification on why Baffiniand is not able to employ full containment booms. If there is a spill will Baffiniand boom the spill?	Not knowing where the booms go, the booms get tangled up, can cause rupture of the hose, and there is loss of sally to contain the spill. If you cannot another your boom, you've defeated the purpose to employ the boom. In the OPEP, there is a measure to boom the pipe.
		To - there are no requirements for pre-booming under Canadian regulations, there are specific regulatory requirements on the overall control of transfer operations, including performance and maintenance of hoses, standardized connections, training and qualification of crew, lighting, and protocols for	If it would be of assistance, Baffinland can provide the OPEP for staff review. This issue is still outstanding.
		there are specific regulatory requirements on the overall control of transfer operations, including performance and maintenance of hoses, standardized	If it would be of assistance, Baffinland can provide the OPEP for staff review. This issue is still outstanding.
		there are specific regulatory requirements on the overall control of transfer operations, including performance and maintenance of house, standardized connections, training and qualification of crew, lighting, and protocols for promunufications Day 2 Marine Enviro	If it would be of assistance, Baffinland can provide the OPEP for staff review. This issue is still outstanding.
NRCan	2b	there are specific regulatory requirements on the overall control of transfer operations, including performance and maintenance of boses, standardized connections, training and qualification of crew, lighting, and protocols for communications: Day 2 Notice in the standardized connections of the standardized connect	If it would be of assistance, Baffinland can provide the OPEP for staff review. This issue is still outstanding.
NRCan GN		there are specific registatory requirements on the overall control of transfer operations, including performance and manistrance of bnoses, standardized connections, staining and qualification of crew, lighting, and protocols for community of the control of the control of the control of the control of the North has had a discussion with Balffelland and is currently working through the issue. There is a potential path forward and will look to have a more Without haseline or capacity to determine mortality risks at 61 f-Squiet bears makes it offficial to therefore in the control of the control of the control state is official to the control of the control of the control of the control state is official to the copy of the plant on an opposite of the copy. Additionally, 63 has requested for an update to the shipping and Marine Wildlick Management Plan (SWMWF) to mitigate the impacts on oil found glob bears.	If it would be of assistance, Baffinland can provide the OPEP for staff review. This issue is still outstanding. **The Polar Boar Deterrent Plan was designed for high-risk areas. Baffinland will send the plan to the GM for review. **Baffinland would like to discuss further with GM on the Shipping and Marine Wildlife Management Plan.
		there are specific registatory requirements on the overall counts of transfer operation, including performance and maintainness of bness, standardized connections, straining and qualification of crew, lighting, and protocols for commence the commence of the control of the commence of t	rement The Polar Bear Deterrent Plan was designed for high-risk areas. Buffinland will send the plan to the GN for review.
GN QIA	2b 5	there are specific registatory requirements on the overall control of transfered connections, training and qualification of crew, lighting, and protocols for commentations, training and qualification of crew, lighting, and protocols for commentations, training and qualification of crew, lighting, and protocols for Commentations. Day 2 INCA: has had a discussion with Balfinland and is currently working through the issue. There is a potential path forward and will look to have an extraction of the commentation of the com	The Polar Bara Deterrent Plan was designed for high-risk areas. Balfinland will send the plan to the GN for review. Balfinland would like to discuss further with GN on the Shipping and Marrine Wildlife Management Plan. Balfinland believes that the 25% of variance in production level is reasonable and not 10%.
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GN QIA	2b 5	there are specific registatory requirements on the overall control of transfer operations, including reformance and maintainness of hones, standardized connections, straining and qualification of crew, lighting, and protocols for commence to the control of the	The Polar Bear Deterrent Plan was designed for high-risk areas, Balfinland will send the plan to the GM for review. Balfinland would like to discuss further with GM on the Shipping and Marine Wildlife Management Plan. Balfinland believes that the 25% of variance in production level is reasonable and not 10%. Balfinland was presented with this proposal by GM yesterday and would like to take some time to consider balfinland believes that the 15% of variance in production level is reasonable and not 10%. Balfinland believes that this information would be provided as part of the NRIE's annual reporting and that is sufficient for the OSSBC. The NRIB would like to discuss options on how community consultation could be more effective and put less of a strain on time and resources of the communities. GMA would be able to make a further commitment to return to Proof inist to discuss the details on the ERP before the Hearing, sometime at the beginning of annuary. GA - GA has stated the COM is committed to communities with the Mayer and Environ Marines and was to estimate the Mayer and Santes and was to estimate and was to estimate and was to estimate and was to estimate the Mayer and Santes and was to estimate and was to estimate and was to estimate the Mayer and Santes and was to estimate and was to estimate and was to estimate and was to estimate the santes and was to estimate the santes and was to estimate the santes and was to estimate and was to estimate the santes and was to estimate and was to estimate the santes and was to estimate and was to estimate and was to estimate the santes and was to estimate and was to estimate the santes and was to estimate the santes and was to estimate the santes and was to estimate and was to estimate the santes and was to estimate and was to estimate the santes and w
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