



January 9, 2007

Mr. Craig Goodings
Meadowbank Mining Corporation
950-505 Burrard Street
Box 72, One Bentall Centre
Vancouver, B.C.,
V7X 1M4
Via Email: craigg@telus.net

Meadowbank Distribution List

Re: Meadowbank Gold Mine Project Certificate

It has recently come to the Nunavut Impact Review Board's (NIRB) attention that comments Natural Resources Canada (NRCAN) intended to submit for incorporation into Appendix C of the Meadowbank Gold Mine Project Certificate were not received by NIRB. This occurred due to technical problems with the transfer of information from NRCAN to NIRB on December 22, 2006.

Appendix C provides a table outlining regulatory authorities' involvement with the conditions of the Project Certificate and the commitments contained in Appendix A of the Project Certificate. The Board believes that NRCAN's clarifications with regard to:

- NRCAN's regulatory role (under terms and conditions 5, 6, and 81);
- Areas where NRCAN can provide expert advice (under term and conditions 75); and
- NRCAN's revised contact information (under terms and conditions 6, 75, 81 and 83)

will assist Meadowbank Mining Corporation(MMC) through the upcoming regulatory phase of the Project. Accordingly, attached is a draft updated Appendix C: Regulatory Involvement with Conditions and Commitments. For ease of review the proposed changes have been highlighted in red font.

The Board is of the view that the updated Appendix does not in any way modify the Terms and Conditions of the Project Certificate. However, should MMC or any party on the Distribution List have concerns with the NIRB issuing the updated Appendix as per the attached draft please contact Karlette Tunaley, Technical Advisor at 403- 697-7897 or ktunaley@nirb.nunavut.ca by no later than **3:00 p.m., Tuesday January 16th, 2007**. If no concerns are received by that date it is the Board's intention to issue final versions of the updated Appendices shortly thereafter.

Yours Truly,

Elizabeth Copland
Acting Chairperson for the Nunavut Impact Review Board

Encl. Updated Draft Meadowbank Gold Mine Project Certificate Appendix C

No	Condition/ Commitment	Indicate whether your Regulatory Agency has any Statutory or regulatory authority for the Condition/ Commitment. If yes, please identify applicable legislation and approval instrument.	Indicate whether your Regulatory Agency can provide any expert advice for the Condition/Commitment. If yes, please identify source or reference.	In the absence of a specific statute, please provide indication of agency guidelines or other policies.	Key Contact name and information within Agency	Link to Commitment as numbered in Appendix A of Project Certificate
PROPONENTS COMMITMENTS						
1	The commitments in this Final Hearing Report as Appendix A: Cumberland's Commitments from the Final Hearing, are incorporated herein and must be met. In the event of a conflict between Appendix A and the Terms and Conditions of the Project Certificate, the Terms and Conditions of the Project Certificate prevail.					
NIRB'S COMMITMENTS						
2	NIRB will appoint a Monitoring Officer to monitor the Meadowbank Project in accordance with the purpose of a monitoring program pursuant to section 12.7.2 of the NLCA for the full life of the Meadowbank Project, including abandonment and restoration. Subject to direction from NIRB, the responsibilities of the NIRB Monitoring Officer are not to duplicate the IIBA and will include: a. giving direction to regulatory agencies, Cumberland and the Meadowbank Gold Mine Socio-economic Monitoring Committee to supply NIRB with reports and information respecting the Project's operations and impacts and the implementation of mitigative measures; b. conducting a periodic evaluation of the Project monitoring program; c. compiling a report on the adequacy of the monitoring program and on the ecosystemic and socio-economic impacts of the Project; and d. where appropriate, recommending to NIRB reconsideration of Terms and Conditions in accordance with section 12.8.2 of the NLCA.				INAC-Peter Kusugak (Item A), Robyn Abernethy-Gillis and JF Beauchesne	
REGULATORY REQUIREMENTS (GENERAL)						
3	Cumberland must obtain all required federal and territorial permits and other approvals, and shall comply with the requirements of such regulatory instruments.	INAC- Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and water Licence (INAC - Water Resources)	INAC-Territorial Lands Act, Territorial Lands Regulations, Territorial Quarrying Regulations and INAC's Mine Site Reclamation Policy for Nunavut (2002)		INAC-Spencer Dewar and Peter Kusugak	
		NRCan, Explosives Act, temporary explosives factory licence, explosives factory licence	NRCan, please see http://www.nrcan-nrcan.gc.ca/mms/explosif/licen/licen_e.html for guiding documents		Neil Maclean, Explosives Branch, NRCan, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5177. neil.macleam@nrcan.gc.ca	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		DFO - Fisheries Act Authorizations under, section 30, ss. 35(2) and section 32; and Amendment to the Metal Mining Effluent Regulations issued pursuant to S. 36(5)	Policy for the Management of Fish Habitat, Guidelines for the use of Explosives in our near Canadian Fisheries Waters, Freshwater Intake End-of-Pipe Fish Screen Guideline			

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4	Cumberland shall take prompt and appropriate action to remedy any non-compliance with environmental laws and regulations and/or regulatory instruments, and shall report any non compliance as required by law immediately and report the same to NIRB annually.	INAC-Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and water Licence (INAC - Water Resources)	Territorial Lands Act,Territorial Lands Regulations, Territorial Quarrying Regulations and INAC's Mine Site Reclamation Policy for Nunavut (2002)		INAC - Peter Kusugak, Spencer Dewar (advisory) and Jim Rogers (advisory)	
		NRCan, Explosives Act, temporary explosives factory licence, explosives factory licence	NRCan, please see http://www.nrcan-mcan.gc.ca/mms/explosif/licen/licen_e.html for guiding documents		Neil Maclean, Explosives Branch, NRCan, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5177. neil.maclean@nrcan.gc.ca	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		EC-Section 36(3) of Fisheries Act, MMER, Migratory Bird Convention Act and Migratory Bird Regulations, CEPA	N/A	N/A	N/A	
		DFO - Fisheries Act Authorizations under, section 30, ss. 35(2) and section 32; and Amendment to the Metal Mining Effluent Regulations issued pursuant to S. 36(5)	Policy for the Management of Fish Habitat, Guidelines for the use of Explosives in our near Canadian Fisheries Waters, Freshwater Intake End-of-Pipe Fish Screen Guideline			
5	Cumberland shall meet with respective licensing authorities prior to the commencement of construction to discuss the posting of adequate performance bonding. Licensing authorities are encouraged to take every measure to require that sufficient security is posted before construction begins. This bonding should not duplicate other amounts of security required (eg. the NWB).	INAC- Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and water Licence (INAC - Water Resources)	Territorial Lands Act,Territorial Lands Regulations, Territorial Quarrying Regulations and INAC's Mine Site Reclamation Policy for Nunavut (2002)		INAC - Spencer Dewar and Jim Rogers	
		NRCan, Explosives Act, temporary explosives factory licence, explosives factory licence			Neil Maclean, Explosives Branch, NRCan, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5177. neil.maclean@nrcan.gc.ca	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	

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		DFO - Yes - security bonding for habitat compensation and monitoring			Tania Gordanier - DFO	
MONITORING RECORDS						
6	All monitoring information collected pursuant to regulatory requirements for the Meadowbank Project shall contain the following information: a. The person(s) who performed the sampling or took the measurements including any accreditations; b. The date, time and place of sampling or measurement, and weather conditions; c. Date of analysis; d. Name of the person(s) who performed the analysis including accreditations; e. Analytical methods or techniques used; and f. Results of any analysis.	GN-no	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Nunavut Waters and Nunavut Surface Tribunal Act and NWT Water Regulations(INAC - Water Resources)			INAC - Jim Rogers (advisory) and Peter Kusugak	
		NRCan, Explosives Act, temporary explosives factory licence, explosives factory licence			Viviane Dewyse, Explosives Branch, nrcAN, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5183, vdewyse@nrcan.gc.ca	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
7	Cumberland shall keep and maintain the records, including results, of any monitoring, data, or analysis, for a minimum of the life of the Project, including closure and post-closure monitoring. This time period shall be extended if requested by NIRB, GN, INAC, DFO, EC or the NWB.	GN-no	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Water License (INAC - Water Resources) and Quarry Permits (INAC - Lands Administration)			INAC - Jim Rogers and Spencer Dewar	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		EC-MMER - All records, books of account or other documents relating to MMER monitoring must be kept at the mine's location by the owner/operator for a period of not less than five years, beginning on the day they are made.	EC Advisory- reiev of the results of water quality monitoring, air quality monitoring, migratory birds monitoring, and monitoring for species at risk under EC's jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
WATER QUALITY AND WASTE MANAGEMENT						

No	Condition/ Commitment	Indicate whether your Regulatory Agency has any Statutory or regulatory authority for the Condition/ Commitment. If yes, please identify applicable legislation and approval instrument.	Indicate whether your Regulatory Agency can provide any expert advice for the Condition/Commitment. If yes, please identify source or reference.	In the absence of a specific statute, please provide indication of agency guidelines or other policies.	Key Contact name and information within Agency	Link to Commitment as numbered in Appendix A of Project Certificate
GENERAL						
8	Cumberland shall, within 30 days of re-opening of the camp, re-sample existing groundwater monitoring wells and combining the sampling data with existing rounds of groundwater sampling data, re-evaluate the salinity, major ion concentrations, and dissolved metal load of groundwater flowing to the mine pits and incorporate the results into the water quality monitoring and treatment program. At the time samples are taken Cumberland shall also assess the condition of existing groundwater monitoring wells and replace any defective wells. Cumberland shall continue to undertake semi-annual groundwater samples and re-evaluate the groundwater quality after each sample collection. Cumberland shall report the results of each re-evaluation to NIRB's Monitoring Officer, INAC and EC, and incorporate the results of the additional data into the water license application to the NWB.	GN - Environmental Protection Act (EPA)	GN-Yes; Contaminated site remediation guideline under EPA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C50, C51, C52, C1, C2
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of groundwater quality data, revised water quality model and water quality treatment program	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
9	Cumberland shall provide detailed plans for water treatment for the tailings (reclaim pond) discharge, and on a contingency basis for the attenuation pond discharge(s) and for the pits, including estimates of treatment efficiency for each parameter of concern and the description of pH adjustments in the water license application to the NWB.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C48, C57, C49
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of treatment options wrt protection of water quality, review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
10	Cumberland shall provide details of the camp sewage treatment, including the type of treatment to be used and the expected treatment capabilities, in the water license application to the NWB.	INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	C57
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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		GN - EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
11	Cumberland shall provide details regarding the effluent outfall configuration, including discharge characteristics, the likely behavior of the plume(s), and bathymetric information for Wally Lake in the water license application to the NWB.	GN-Yes; EPA	GN-Yes; Guideline for Industrial waste discharge		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C45, C58
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
12	Cumberland shall provide details of a comprehensive water use and water management plan for the Baker Lake marshalling area, including monitoring of the discharge from the marshalling area sump, in the water license application to the NWB.	GN- EPA	GN-Yes; no specific guiding documents		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
13	Cumberland shall not permit the water discharged into Wally Lake and Third Portage Lake to exceed receiving environment discharge criteria established by the NWB or as otherwise required by law.	GN-Yes; EPA	GN-Yes; Guideline for Industrial waste discharge		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	

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		EC-MMER / Section 36(3) of Fisheries Act	EC Advisorys-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
14	Cumberland shall not remove dewatering dikes until the quality of water contained within them is of sufficient quality to meet receiving environment discharge criteria established by the NWB or as otherwise required by law.	GN-Yes; EPA	GN-Yes; Guideline for Industrial waste discharge		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
15	Cumberland shall within two (2) years of commencing operations re-evaluate the characterization of mine waste materials, including the Vault area, for acid generating potential, metal leaching and non metal constituents to confirm FEIS predictions, and re-evaluate rock disposal practices by conducting systematic sampling of the waste rock and tailing in order to incorporate preventive and control measures into the Waste Management Plan to enhance tailing management during operations and closure. The results of the re-evaluations shall be provided to the NWB and NIRB's Monitoring Officer.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C43, C44, C46, C60
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		EC - Section 36(3) Fisheries Act / MMER	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
16	MISSED NUMBER					

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17	Cumberland shall undertake a detailed technical review of all dike and pitwall designs at the final design stage, and submit the final dike designs for water depths of greater than 10 metres for an expert analysis and Cumberland shall include the detailed technical review and the expert analysis in the application to the NWB for a water license.	INAC- if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	C64, C62, C61
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
18	Cumberland shall commit to a pro-active tailings management strategy through active monitoring, inspection, and mitigation. The tailings management strategy will include the review and evaluation of any future changes to the rate of global warming, compliance with regulatory changes, and the ongoing review and evaluation of relevant technology developments, and will respond to studies conducted during the mine operation.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C62
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
		EC-MMER, Section 36(3) of Fisheries Act	EC Advisory-review of climate change modelling results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
19	Cumberland shall provide for a minimum of two (2) metres cover of tailings at closure, and shall install thermistor cables, temperature loggers, and core sampling technology as required to monitor tailing freezeback efficiency. Cumberland shall report to NIRB's Monitoring Officer for the annual reporting of freezeback effectiveness.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153,	
20	Prior to construction, Cumberland shall identify mitigation measures that can be taken if groundwater monitoring around the tailings facility demonstrates that contamination from tailings has occurred through the fault . Upon drawdown of the North arm of Second Portage Lake, Cumberland shall conduct further tests to assess the permeability of any faults and provide the results to regulators. If doubt remains Cumberland shall seal the fault and conduct further permeability testing and monitoring.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C4, C5, C65
		INAC-if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	

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		EC-Section 36(3) of Fisheries Act	EC Advisory - review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
MONITORING						
21	Cumberland shall fund and install a weather station at the mine site to collect atmospheric data, including air temperature and precipitation.	GN-Yes; EPA	GN-Yes; Guideline for Air quality- sulphur dioxide & suspended particulates		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-CEPA	EC Advisory-review of atmospheric monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
22	Prior to the commencement of the Project, Cumberland shall fund and install an on site lab that has the capability to monitor parameters at a type and at a frequency acceptable to the NWB and EC at all site discharge points. The results of these analyses, as well as any other water quality monitoring required by regulatory authorities shall be used in the submission of a receiving water assimilative capacity water quality assessment study of concern to regulators. The lab shall be certified for environmental water quality analysis purposes with standards to include the calibration of water quality monitoring instruments. Cumberland shall file proof of application to become accredited upon the request of the NWB.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C45, C49
		INAC - if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act, MMER (Environmental Effects Monitoring Program) - relating to the monitoring environmental effects in the receiving environment (exposure areas versus reference areas)	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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23	For the purposes of monitoring quality assurance and quality control ("QA/QC"), Cumberland shall ensure that water quality monitoring performed at locations within receiving waters that allow for an assimilative capacity assessment of concern to regulators, be carried out by an independent contractor and submitted to an independent accredited lab for analysis, on a type and frequency basis as determined by the NWB. Results of analysis shall be provided to the NWB and NIRB's Monitoring Officer.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Section 36(3) of Fisheries Act, MMER	EC Advisory - review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		INAC - if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
WASTE MANAGEMENT						
24	Cumberland shall identify an area and design for a landfill for disposal of operational and closure non-salvageable materials, including a list of any non-salvageable materials, and a procedural manual for preparation of location and placements of these materials, and incorporate the design into the final Waste Management Plan as instructed by the NWB.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory-review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
25	Cumberland shall manage and control waste in a manner that reduces or eliminates the attraction to carnivores and/or raptors. Cumberland shall employ legal deterrents to carnivores and/or raptors at all landfill and waste storage areas. The deterrents are to be developed taking into consideration Traditional Knowledge and in consultation with the HTO, EC and INAC and incorporated into the final Waste Management Plan prior to filing the Plan with the NWB.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		INAC - if part of water license (INAC - Field Operations)	INAC advisory		INAC - Peter Kusugak (advisory)	
		EC-Migratory Birds Convention Act and Migratory Bird Regulations, and Species at Risk Act	EC Advisory-Review of impacts to Species at Risk for which EC has jurisdiction (Note: the day to day management of raptors, grizzly bear and wolverine is the responsibility of the Government of Nunavut)	No permit/authorization to issue	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
26	Cumberland shall ensure that spills, if any, are cleaned up immediately and that the site is kept clean of debris, including wind-blown debris.	GN-Yes; EPA (GN-DOE review and approve spill plans)	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C24
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration)	INAC advisory		INAC - Peter Kusugak, Jim Rogers (Advisory) and Spencer Dewar (Advisory)	
		EC - CEPA / Section 36(3) of the Fisheries Act	EC Advisory-Review of emergency response/spill contingency plans	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
27	Cumberland shall ensure that the areas used to store fuel or hazardous materials are contained using safe, environmentally protective methods based on practical, best engineering practices.	GN-Yes; EPA (GN-DOE review and approve spill plans)	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	INAC advisory		INAC - Peter Kusugak, Jim Rogers (Advisory) and Spencer Dewar (Advisory)	

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		EC - Section 36(3) Fisheries Act	EC Advisory-Review of emergency response/spill contingency plans. Please see the CCME document PN 1326 "Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products"	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
28	Cumberland shall become a signatory to the International Cyanide Management Code, communicate this to shippers, and do so prior to Cumberland storing or handling cyanide for the Project.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
PROJECT ALTERNATIVES AND PLANNED CHANGES						
29	Cumberland shall report to NIRB if and when Cumberland develops plans for an expansion of the Meadowbank Gold Mine, and in particular if those plans affect the selection of Second Portage Lake as the preferred alternative for tailings management.	Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	C32
			DFO - Yes - where changes could impact fish and/ or fish habitat			
30	Cumberland shall meet with EC and the DFO to ensure that the information required for the application to add the northwest arm of Second Portage Lake as a tailings impoundment area under Schedule 2 of the Metal Mining Effluent Regulations, including the No Net Loss Plan to offset losses expected as a result of all other Project infrastructure, is complete and the application can be processed according to law.	Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	C63, C66
		EC-MMER / Schedule 2 listings	EC Advisory-Review of water quality monitoring results, alternatives assessment	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		Yes - MMER - DFO will not forward any application made by Cumberland to EC until the submission is complete			Tania Gordanier - DFO	
ALL WEATHER PRIVATE ACCESS ROAD						
31	Cumberland shall provide detailed stream crossing design criteria, including consideration of the DFO Operational Statement for Clear-span bridges for all water crossings identified to have fish presence, final crossing designs, site specific mitigation procedures, an effects monitoring program, and a maintenance and closure plan for all water course crossings, to the DFO and the NWB for review and approval.	INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	INAC advisory		INAC - Spencer Dewar and Jim Rogers	C25

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		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		EC-Section 36(3) of Fisheries Act	EC Advisory - review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		DFO - Yes - Fisheries Act (section 35)	Yes - Clear Span Bridge Operational Statement		Tania Gordanier - DFO	
32	Cumberland shall operate the all-weather road as a private access road, and implement measures to limit public access to the road, including:	GN-Yes, Commissioners Land Act	GN-Yes		John Dawe, Community and Government Services (867) 975-5367	C16,C17,C18, C112
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration)	INAC advisory		INAC - Spencer Dewar	
A	The installation of locked gates at bridges 1 and 4;					
B	The posting of signs in English and Inuktitut at each gate, each major bridge crossing, and each 10 kilometres of road, stating that public use of the road is prohibited;					
C	The posting of signs in English and Inuktitut along the road route to identify when entering or leaving crown land;					
D	Prior to the opening of the road, advertise and hold at least one community meeting in the Hamlet of Baker Lake to explain to the community that the road is restricted to mine use only;					
E	Place notices on the radio and television to inform the residents of the Hamlet of Baker Lake that the road is restricted to mine use only;					

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F	Require all mine personnel using the road to monitor and report unauthorized non-mine use of the road, and collect and report this data to NIRB one (1) year after the road is opened and annually thereafter; and					
G	Report any information received, including accidents or other safety incidents on the road, including the locked gates, to the GN, KivIA, and the Hamlet immediately, and to NIRB annually.	GN-Yes, Motor Vehicle Act (only on publicly accessible portion of road)	GN-Yes (for entire road)		Lorna Gee, Director Motor Vehicles Division, GN. Gjoa Haven NU. (867).360.4614	
33	Cumberland shall update the Access and Air Traffic Management Plan 1 - to include an All-weather Private Access Road Management Plan, including a right-of-way policy developed in consultation with the KivIA, GN, INAC and the Hamlet of Baker Lake, for the safe operation of the all-weather private access road and 2 - to facilitate monitoring of the environmental and socio-economic impacts of the private road and undertake adaptive management practices as required, including responding to any concerns regarding the locked gates.	GN-Yes; EPA & Wildlife Act (WA), Transportation of Dangerous Goods Act	GN-Yes; no specific guiding documents; however requires consultationon access for the purpose of inspections pursuant to the Transportation of Dangerous Goods Act.		Lorna Gee, Director Motor Vehicles Division, GN. Gjoa Haven NU. (867).360.4614	C14, C15, C7, C8
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration)	INAC Advisory		INAC - Spencer Dewar, and JF Beauchesne	
		EC - Migratory Birds Convention Act and Migratory Bird Regulations and Species at Risk Act	EC Advisory - review of monitoring results for migratory birds and species at risk wthin EC jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
34	Cumberland shall, in consultation with the Hamlet of Baker Lake, KivIA, and the Royal Canadian Mounted Police, facilitate the hiring of a full-time road safety, search and rescue position to respond to safety matters arising from mine and unauthorized non-mine use of the all-weather private access road, including consulting with Baker Lake and Chesterfield Inlet Elders to incorporate Traditional Knowledge into search and rescue operations.	GN-Yes	GN-Yes		Glen Higgins, Department of Community & Government Servies, (867)975-5403, ghiggins@gov.nu.ca	
35	Cumberland shall reclaim the all-weather private access road at the end of the mine life to prevent any future use of the road, including scarification of the road and restoration of the natural hydrology, topography, and vegetation, subject only to Cumberland and/or its successor seeking NIRB Article 12 approval for the road to be maintained and operated beyond the life of the mine.	GN-Yes; EPA	GN-Yes; Guideline for Contaminated site remediation		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C20

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		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	Territorial Lands Act,Territorial Lands Regulations, Territorial Quarrying Regulations and INAC's Mine Site Reclamation Policy for Nunavut (2002), INAC advisory		INAC -Jim Rogers and Spencer Dewar	
		EC-Section 36(3) of Fisheries Act	EC Advisory -review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
MARINE ENVIRONMENT						
36	Cumberland shall ensure the placement of local area marine mammal monitors onboard all vessels transporting fuel or materials for the Project through Chesterfield Inlet.		DFO - Yes		Tania Gordanier - DFO	C37, C27, C93
		None regarding mammal monitors	Transport Canada - Marine Safety is only concerned with personnel required for the operation of the vessel.	n/a	Muhammad Akhtar, TC Marine Safety	
			DFO - Yes : advice is available on marine mammals in the Chesterfield Inlet area			
37	Cumberland will contract only Transport Canada certified shippers to carry cargo for the Project, and will require shippers transporting cargo through Chesterfield Inlet to carry the most up-to-date emergency response/spill handling equipment as recommended and accepted by the Government of Canada with the crew trained to deploy the equipment, including practice drills deploying spill equipment in remote locations within the Inlet.	GN-no	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C33, C34, C38
		CSA Periodic Ship Inspection	Numerous Regulations and Standards regarding Ship Construction, Personnel certification, Safe Working Practices, etc.	Unknown	Muhammad Akhtar, TC Marine Safety	
38	Cumberland shall make every reasonable effort to minimize the number of ships and barges transporting cargo for the Project, and require shippers transporting cargo for the Project through Chesterfield Inlet to be operated in accordance with safe shipping management policies, including using Canadian Hydrographic Service published detailed marine charts and nautical instructions, and be fitted with modern state-of-the-art navigation equipment.	GN-no	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		CSA Periodic Ship Inspection	Navigation Safety Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	
39	Within three (3) months of contracting with a shipping company to transport cargo to the Project through Chesterfield Inlet and prior to the commencement of shipping, Cumberland shall advertise and hold a community information meeting in Chesterfield Inlet to fully discuss the shipping program for the Project. Thereafter, Cumberland shall annually advertise and hold a community information meeting in Chesterfield Inlet to report on the Project and to hear from Chesterfield Inlet residents and respond to concerns. A consultation report shall be submitted to NIRB's Monitoring Officer within one month of the meeting.	GN-no	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C42, C36,
40	Cumberland shall gather Traditional Knowledge from the local HTOs and conduct a minimum of a one-day workshop with residents of Chesterfield Inlet to more fully gather Traditional Knowledge about the marine mammals, cabins, hunting, and other local activities in the Inlet. Cumberland shall report to KivIA and NIRB's Monitoring Officer annually on the Traditional Knowledge gathered including any operational changes that resulted from concerns shared at the workshop.					C39, C95, C94
41	Subject to vessel and human safety considerations, Cumberland shall require shippers carrying cargo to the Project through Chesterfield Inlet to follow the following mitigation procedures in the event that marine mammals are in the vicinity of the shipping activities:	GN-Yes; WA	GN-Yes; WA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C40
			Yes - DFO has inhouse expertise on marine mammals that could be useful		Tania Gordanier - DFO	
		CSA, Regulatory requirement	Collision Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	
A	Wildlife will be given right of way;	GN-Yes; WA	GN-Yes; WA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		CSA, Regulatory requirement	Collision Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	

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B	Ships will maintain a straight course, constant speed, and will avoid erratic behaviour; and	GN-Yes; WA	GN-Yes; WA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		CSA, Regulatory requirement	Collision Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	
C	When marine mammals appear to be trapped or disturbed by vessel movements, the vessel will stop until the mammals have moved away from the area.	GN-Yes; WA	GN-Yes; WA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		CSA, Regulatory requirement	Collision Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	
42	Cumberland shall ensure all fuel transfer operations take place in accordance with the Arctic Waters Pollution Prevention Act and relevant oil transfer guidelines.	GN-no	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-AWPPA, Section 36(3) of Fisheries Act	EC-review of emergency response/spill contingency plans	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		CSA, Arctic Waters Pollution Prevention Act (AWPPA), Periodic Ship and OHF inspections	Numerous Regulations and Standards regarding Pollution Prevention, Safe Working Practices, etc.	Unknown	Muhammad Akhtar, TC Marine Safety	
43	Lightering activities at Helicopter Island are not approved, except in case of emergency only, and in such case Cumberland shall explain why all other methods were not practical, meaning technically, logistically, and financially not feasible.	GN-no	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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44	Within one (1) month of contracting with a shipper, Cumberland shall submit a comprehensive Spill Contingency and Emergency Response Plan to regulatory authorities.	GN-Yes; EPA	GN-Yes; Spill contingency and reporting regulations		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C24, C42
		EC-AWPPA, Section 36(3) of Fisheries Act	EC- review of emergency response/spill contingency plans	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		CSA, OPEP approval and site inspections	Oil Handling Facility Regulations/Standards	Unknown	Muhammad Akhtar, TC Marine Safety	
45	Cumberland shall carry, and require contracted shippers to carry adequate insurance to fully compensate losses arising from a spill or accident, including but not limited to the loss of resources arising from the spill or accident. Any claims are to be reported to proper officials with a copy to NIRB's Monitoring Officer.	CSA, AWPPA, Marine Liability Act Periodic Ship Inspections	Oil Pollution Regulations, Arctic Waters Pollution Prevention Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	C41
FISH AND FISH HABITAT						
46	Cumberland shall apply for Fisheries Act approval for the freshwater intake pipe for the Project, and submit for DFO approval a detailed plan of the proposed intake, including siting, design of intake screens in accordance with the DFO Freshwater End-of-Pipe Fish Screen Guidelines, construction and operation considerations, fish and fish habitat impacts, and mitigation and monitoring plans.	Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	C69
		DFO - Yes - <i>Fisheries Act</i> Section 30	Freshwater Intake End-of-Pipe Fish Screen Guideline		Tania Gordanier - DFO	
47	Cumberland shall develop an adaptive approach to managing the water flow from Third Portage Lake, including the consideration of alternatives to deepening the easternmost channel; submission of detailed design of the easternmost channel modifications; a monitoring program for channel erosion, verification of the maintenance of water levels in Third Portage Lake, and the success of fish habitat enhancements; and contingencies in the event of channel failure, for approval by the DFO.	INAC - if part of water license (INAC - Water Resources)	INAC advisory		INAC - Jim Rogers	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		DFO - Yes - <i>Fisheries Act</i> Section 35	Policy for the Management of Fish Habitat		Tania Gordanier - DFO	
48	Cumberland shall demonstrate to the satisfaction of the DFO that the water management framework, including the embankment details and diversion ditch, will permit the maintenance of over-wintering fish habitat in Phaser Lake through the life of the Project.	Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	

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		DFO - Yes - <i>Fisheries Act</i> Section 35	Policy for the Management of Fish Habitat		Tania Gordanier - DFO	
49	Cumberland shall develop, implement and report on the fish-out programs for the dewatering of Second Portage Lake, Third Portage Lake and Vault Lake. This must be done in consultation with the DFO, Elders and the HTOs, and in a manner that optimizes the acquisition of northern fisheries science and augments baseline fisheries data to support monitoring programs and the final design of fish habitat compensation for the Project.	DFO - Yes - <i>Fisheries Act</i> Section 32			Tania Gordanier - DFO	
50	Cumberland shall, in consultation with the DFO, undertake to prevent the barge landing facility from infilling of fish habitat, including considering using geotextile material in a manner that is capable of maintaining bottom substrate for benthic invertebrates and fish.	GN-Yes, Commissioners Land Act	GN-Yes		John Dawe, Community and Government Services (867) 975-5367	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		DFO - Yes - <i>Fisheries Act</i> Section 35	Policy for the Management of Fish Habitat		Tania Gordanier - DFO	
51	Cumberland shall engage the HTOs in the development, implementation and reporting of creel surveys within waterbodies affected by the Project to the GN, DFO and local HTO.		Yes - DFO can provide advice on creel survey methodology and interpretation of results		Tania Gordanier - DFO	C26
52	Cumberland shall enforce a no-fishing policy for employees while working on the job site.	GN-No	GN-No			
53	Cumberland shall, in consultation with the HTOs and DFO, develop a Fish Habitat Monitoring Plan, including augmenting baseline fisheries data in the period prior to operation, with the clear objective of demonstrating the success of the No Net Loss Plan approved by the DFO.	DFO - Yes - <i>Fisheries Act</i> Section 35			Tania Gordanier - DFO	C66, C67
WILDLIFE AND TERRESTRIAL						
54	Cumberland shall provide an updated Terrestrial Ecosystem Management Plan, to the GN, EC and INAC, within three (3) months of the issuance of the Project Certificate including:	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C10
		EC - Migratory Birds Convention Act and Migratory Bird Regulations, Species at Risk Act	EC-Yes, as detailed below			

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A	Updated terrestrial ecosystem baseline data;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			EC Advisory - review of baseline data for migratory birds and species at risk wthin EC jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
B	Details of the method and rationale for conducting monitoring surveys prior to the commencement of construction;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C83
			EC Advisory - review of survey methods for migratory birds and species at risk within EC jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
C	Statistical validation to support the conclusions drawn from monitoring impacts of the mine and infrastructure on wildlife;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C84, C11
			EC advisory - review of monitoring results for migratory birds and species at risk wthin EC jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
D	A detailed analysis of the method of distinguishing between cow/calf groups from other caribou group observations;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C97
E	Details of a comprehensive hunter harvest survey to determine the effect on ungulate populations resulting from increased human access caused by the all-weather private access road, including establishing preconstruction baseline harvesting data, to be developed in consultation with local HTOs, the GN-DOE and the Nunavut Wildlife Management Board;	GN-Yes; WA	GN-Yes; Wildlife license and permits regulations		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C81

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F	Details of annual aerial surveys to be conducted to assess waterfowl densities in the regional study area during the construction phase and for at least the first three (3) years of operation, with the data analyzed and compared to baseline data to determine if significant effects are occurring and require mitigation.	GN-Yes; WA	GN-Yes; Wildlife license and permits regulations		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C89, C98
			EC Advisory - Review of survey methods and monitoring results for migratory birds	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
G	Details of an annual breeding bird plot surveys and transects along the all-weather road to be conducted during the construction phase and for at least the first three (3) years of operation.	GN-Yes; WA	GN-Yes; Wildlife license and permits regulations		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C90, C99
			EC Advisory - Review of survey methods and monitoring results for migratory birds	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
H	Details of a monitoring program, including recording the locations and frequency of observing caribou and carnivores and any actions taken to avoid contact with or disturbance, and a specific mitigation plan for Short-eared owls and any other species of special concern pursuant to Schedule 3 of the Species at Risk Act located in the local study area or along the all-weather private access road,	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C92, C31, C82
			EC Advisory - Review of mitigation and monitoring for Species at Risk (Note: the day to day management of short-eared owls, peregrine falcon and grizzly bears is the responsibility of the Government	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
55	Cumberland shall provide the following analysis in the March 2007 Wildlife Summary Monitoring Report:	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C9
		EC - Migratory Birds Convention Act and Migratory Bird Regulations, Species at Risk Act	EC-Yes, as detailed below			

No	Condition/ Commitment	Indicate whether your Regulatory Agency has any Statutory or regulatory authority for the Condition/ Commitment. If yes, please identify applicable legislation and approval instrument.	Indicate whether your Regulatory Agency can provide any expert advice for the Condition/Commitment. If yes, please identify source or reference.	In the absence of a specific statute, please provide indication of agency guidelines or other policies.	Key Contact name and information within Agency	Link to Commitment as numbered in Appendix A of Project Certificate
A	Further review and analysis of the size of the regional study area;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C79
			EC Advisory - Reivew of monitoring plan for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
B	A summary of the involvement of Inuit in the monitoring program;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
C	A detailed report of the natural variability of VECs in the region;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C96
			EC Advisory - Review of monitoring results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
D	A detailed analysis on distribution and abundance of cows, bulls, and calves;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C97
E	Results of the 2006 monitoring progam, including field methodologies and statistical approaches used to support conclusions drawn;	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C11, C99, C98
			EC Advisory - review of monitoringn results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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F	Any proposed changes to the TEMP survey methodologies, statistical approaches or proposed adaptive management stemming from the results of the monitoring program.	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C80
			EC Advisory - Review of monitoring results migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
56	Cumberland shall plan, construct, and operate the mine in such a way that caribou migration paths through the Project, including in the narrows west of Helicopter Island, are protected. Maps of caribou migration corridors shall be developed in consultation with Elders and local HTOs, including Chesterfield Inlet and placed in site offices and upgraded as new information on corridors becomes available. Information on caribou migration corridors shall be reported to the GN, KivIA and NIRB's Monitoring Officer annually.	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
57	Cumberland shall participate in a caribou collaring program as directed by the GN-DOE.	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C10
58	Cumberland shall, in consultation with Elders and the HTOs and subject to safety requirements, design the lighting and use of lights at the mine site to minimize the disturbance of lights on sensitive wildlife and birds.	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC - Migratory Birds Convention Act and Migratory Bird Regulations, Species at Risk Act	EC Advisory - review of monitoring results and mitigation measures for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
59	Cumberland shall, in consultation with Elders and the HTOs, design and implement means of deterring caribou from the tailing ponds, such as temporary ribbon placement or inukshuks, with such designs not to include the use of fencing.	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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60	Whenever practical, Cumberland shall implement a stop work policy when wildlife in the area may be endangered by the work being carried out.	GN-Yes; WA	GN-Yes; WA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Caribou protection measures in land lease and quarry permits (INAC - Land Administration)	INAC advisory		INAC - Spencer Dewar and Peter Kusugak	
		EC - Migratory Birds Convention Act and Migratory Bird Regulations, Species at Risk Act	EC Advisory - Review of monitoring plans for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
61	In consultation with EC, Cumberland shall incorporate into the Terrestrial Ecosystem Management Plan and the Air Traffic Management Plan a commitment for aircraft to maintain (whenever possible) a cruising altitude of at least 610 metres during point to point travel when in areas likely to have migratory birds, and 1000 metres vertical and 1500 metres horizontal distance from observed concentrations of migratory birds, and use flight corridors to avoid areas of significant wildlife importance.	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C82
		Aeronautics Act	Aeronautical Information Manual, RAC section, parts 1.14.1, 1.14.3 and 1.15.2	YES	Wayne Woloshyn / Manager of Aerodromes and Air Navigation / Prairie and Northern Region / Transport Canada Civil Aviation	
		EC - Migratory Birds Convention Act and Migratory Bird Regulations	EC Advisory - Review of monitoring results for migratory birds	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
NOISE						
62	Cumberland shall develop and implement a noise abatement plan to protect people and wildlife from significant mine activity noise, including blasting, drilling, equipment, vehicles and aircraft. The noise abatement plan will be developed in consultation with Elders, GN, HC, and EC, and include:	GN-Yes; WA and EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C87

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		EC - Migratory Birds Convention Act and Migratory Bird Regulations	EC-Yes, as detailed below	N/A		
A	The use of sound meters to monitor sound levels in and around the mine site, including workers' on-site living /sleeping quarters and any summer camps adjacent to the site, and in the local study area, with the locations and design of the sound meters selected in consultation with HC and EC. Sound meters are to be set up immediately upon issuance of the Project Certificate for the purpose of obtaining baseline data, and monitoring during and after operations;	GN-Yes; EPA	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C78
			EC Advisory - review of impacts on migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
B	The establishment of strict standards for noise levels, such as the World Health Organization's Community Noise Guidelines threshold level for sleep disturbance;	GN-Yes; EPA	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
C	Restrictions on blasting and drilling when migrating caribou, or sensitive local carnivores or birds may be affected;	GN-Yes; WA	GN-Yes; INAC: Caribou Protection Measures		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C87
		INAC - Caribou protection measures in land lease and quarry permits (INAC - Land Administration)			INAC - Spencer Dewar and Peter Kusugak	
			EC Advisory - Reivew of impacts to and monitoring results for migratory birds	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
D	The use of noise attenuation devices for equipment and vehicles;	GN-Yes; EPA	GN-no		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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E	The use of temporary solid fences or berms around noisy machines or sites when practical; and	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
F	Require (with the exception of take off and approach for landing), a minimum flight altitude of 610 metres above ground when flights to and from the mine site are passing sensitive wildlife and bird areas.	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C82
			EC Advisory - Review of impacts to and monitoring results for migratory birds	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		Aeronautics Act	Aeronautical Information Manual, RAC section, parts 1.14.1, 1.14.3 and 1.15.2	YES	Wayne Woloshyn / Manager of Aerodromes and Air Navigation / Prairie and Northern Region / Transport Canada Civil Aviation	
	The noise abatement plan shall be filed with NIRB's Monitoring Officer within six (6) months of the issuance of the Project Certificate.	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
SOCIO-ECONOMIC						
63	Within six (6) months of the issuance of a Project Certificate, the GN and INAC shall form a Meadowbank Gold Mine Socio-Economic Monitoring Committee ("Meadowbank SEMC") to monitor the socio-economic impacts of the Project and the effectiveness of the Project's mitigation strategies. The monitoring shall supplement, not duplicate, the monitoring required pursuant to the IIBA negotiated for the Project, and on the request of Government or NPC, could assist in the coordination of data collection and tracking data trends in a comparable form to facilitate the analysis of cumulative effects. The terms of reference shall focus on the Project, include a plan for ongoing consultation with KivIA and affected local governments and a funding formula jointly submitted by GN, INAC and Cumberland. The terms of reference shall be submitted to NIRB for review and subsequent direction within six (6) months of the issuance of a Project Certificate. Cumberland is entitled to be included in the Meadowbank SEMC.	GN-No	GN-Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	C100. C103
			INAC advisory		INAC - JF Beauchesne	

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64	Cumberland shall work with the GN and INAC to develop the terms of reference for a socio-economic monitoring program for the Meadowbank Project, including the carrying out of monitoring and research activities in a manner which will provide project specific data which will be useful in cumulative effects monitoring (upon request of Government or NPC) and consulting and cooperating with agencies undertaking such programs. Cumberland shall submit draft terms of reference for the socio-economic monitoring program to the Meadowbank SEMC for review and comment within six (6) months of the issuance of a Project Certificate, with a copy to NIRB's Monitoring Officer.	GN-No	GN-Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	C12, C100, C103, C13, C21, C22, C23,
			INAC advisory		INAC - JF Beauchesne	
65	Cumberland shall include in its socio-economic monitoring program for the Meadowbank Project the collection and reporting of data of community of origin of hired Nunavummiut.	GN-No	GN-Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	C21
			INAC advisory		INAC - JF Beauchesne	
HUMAN HEALTH						
66	Cumberland shall establish a nursing station and hire a registered on-site nurse.	GN-No	GN-Yes		Isaac Sobol, Chief Medical Officer, Department of Health & Social Services, (867)975-5772, isobol@gov.nu.ca	
67	Cumberland shall develop and implement a program to monitor contaminant levels in country foods in consultation with HC. A copy of the plan shall be submitted to NIRB's Monitoring Officer.				Lou Spagnuolo (INAC)	
68	Cumberland shall, in consultation with Elders, local HTOs and the Meadowbank Gold Mine SEMC, demonstrate that they are working toward incorporating Inuit societal values into mine operation policies.		INAC advisory (via SEMC)		JF Beauchesne (INAC)	
ARCHAEOLOGY						
69	Cumberland shall carry out the Project to minimize the impacts on archeological sites, including conducting proper archeological surveys of the Project area (including the all-weather road and all quarry sites). Cumberland shall provide to the GN an updated baseline report for archeological sites in the Project area, including:	GN-Yes, Nunavut Archaeological and Palaeontological Site Regulation, the NLCA Section 33, and the Nunavut Act Section 51 and 52.	GN-Yes, Guidelines for Nunavut Archaeological and palaeontological permit holders		Julie Ross jross@gov.nu.ca (Until April 2007) April 2007-April 2008 Doug Stenton dstenton1@gov.nu.ca	C113

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		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration)			INAC - Spencer Dewar	
A	referencing of sites as directed by the GN.					
B	the process used for age determinations of archeological sites, and					
C	the specific measures being taken to avoid listed sites, and					
D	the monitoring that will take place,					
	to the GN prior to the commencement of construction.					
70	Cumberland shall report any archeological site discovered during the course of construction, including a burial site, immediately and concurrently to the GN and KivIA. Upon discovering an archeological site, Cumberland shall take all reasonable precautions necessary to protect the site until further direction is received from the GN. In the event that it becomes necessary to disturb an archaeological site, Cumberland shall consult with Elders, GN and KivIA to establish a site specific mitigation plan, and obtain all necessary authorizations and comply with all applicable laws.	GN-Yes, Nunavut Archaeological and Palaeontological Site Regulation, the NLCA Section 33, and the Nunavut Act Section 51 and 52.	GN-Yes, Guidelines for Nunavut Archaeological and palaeontological permit holders		Julie Ross jross@gov.nu.ca (Until April 2007) April 2007- April 2008 Doug Stenton dstenton1@gov.nu.ca	
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration)			INAC - Spencer Dewar	
AIR QUALITY						
71	Cumberland shall, in consultation with EC, install and fund an atmospheric monitoring station to focus on particulates of concern generated at the mine site. The results of air-quality monitoring are to be reported annually to NIRB.	GN-Yes; EPA	GN-Yes; Guideline for Air quality- sulphur dioxide & suspended particulates		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C77
		EC-CEPA	EC Advisory - Review of air quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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72	On-site incinerators shall comply with Canadian Council of Ministers of Environment and Canada-Wide Standards for dioxins and furan emissions, and Canada-wide Standards for mercury emissions, and Cumberland shall conduct annual stack testing to demonstrate that the on-site incinerators are operating in compliance with these standards. The results of stack testing shall be contained in an annual monitoring report submitted to GN, EC and NIRB's Monitoring Officer.	GN-Yes; EPA and Canada-Wide Standard (CWS) for furan and dioxin, and CWS for mercury	GN-Yes; CWS for furan and dioxin, and CWS for mercury		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C73, C75
		EC-CEPA, Canada-wide Standard for the Dioxins and Furans and the Canada-wide Standard for Mercury	EC Advisory - Review of air quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
73	Cumberland shall undertake to conserve the Project's use of energy, monitor the Project's green house gas emissions, and continuously review and, if possible, consider for adoption new technologies to ensure greenhouse gases meet the latest Canadian standards or criteria.	GN-No	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C71
74	Cumberland shall employ environmentally protective techniques to suppress any surface road dust.	GN-Yes; EPA	GN-Yes; Guideline for Dust Suppression		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C72
			INAC advisory		INAC - Jim Rogers	
		EC-CEPA, Section 36(3) Fisheries Act	EC Advisory - review of water quality and air quality monitoring results	See http://www.ec.gc.ca/nopp/roadsalt/en/index.cfm . Detailed information on the storage of chloride-based dust suppressents can be found at http://www.ec.gc.ca/nopp/roadsalt/reports/chlorideBP/en/toc.cfm	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
ACCIDENTS AND MALFUNCTIONS						
75	Cumberland shall provide a complete list of possible accidents and malfunctions for the Project. It must consider the all-weather road, shipping spills, cyanide and other hazardous material spills, and pitwall/dikes /dam failure, and include an assessment of the accident risk and mitigation developed in consultation with Elders and potentially affected communities.	GN-Yes; EPA	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C6

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		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources) specific to INAC's jurisdiction	INAC advisory		INAC - Spencer Dewar and Peter Kusugak	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		EC-Section 36(3) of Fisheries Act, Migratory Bird Convention Act and Migratory Bird Regulations, Species at Risk Act, CEPA	EC Advisory - review of impacts to water quality, emergency response/spill contingency planning, migratory birds, species at risk over which EC has jurisdiction, and hazardous materials management	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
			Yes - DFO can comment on the potential risk associated with accidents and malfunctions that could impact fish and fish habitat		Tania Gordanier - DFO	
			NRCan - Related to manufacture and storage of explosives		Neil Maclean, Explosives Branch, NRCan, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5177. nmaclean@nrcan.gc.ca	
		Canada Shipping Act (CSA), Oil Pollution Emergency Plan (OPEP) approval and site inspections	Oil Handling Facility Regulations/Standards	Unknown	Muhammad Akhtar, TC Marine Safety	
76	Cumberland shall develop an "Early Warning Monitoring Program" along the east boundary of the Project's local study area (mine and road) including the location where Third Portage Lake flows into Tehek Lake. The "Early Warning Monitoring Program" shall discuss how the communities of Baker Lake and Chesterfield Inlet will be actively involved and shall be submitted to NIRB's Monitoring Officer for review prior to Project construction. If adverse effects from the project to any VEC are detected along this boundary, then Cumberland shall notify the NIRB's Monitoring Officer for determination as to whether and to what extent additional monitoring is required.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC - Section 36(3) of Fisheries Act, Migratory Bird Convention Act, Migratory Birds Regulations	EC Advisory - Review of monitoring results for water quality, migratory birds, species at risk over which EC has jurisdiction, and emergency response/spill contingency planning	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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77	Cumberland shall as soon as possible, review and coordinate its Emergency Response Plan with the emergency response plans of the Hamlets of Baker Lake and Chesterfield Inlet.	GN-Yes; EPA	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
ABANDONMENT AND RECLAMATION						
78	Cumberland shall file a complete Closure and Reclamation Plan developed to comply with INAC's policy of full cost of restoration and any related NWB requirements such that the Inuit and taxpayers are not liable for any cost associated with the cleanup, modification, decommission, or abandonment.	INAC - Yes - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	INAC's Mine Site Reclamation Policy for Nunavut (2002)		INAC - Jim Rogers and Spencer Dewar	C19
79	In addition to the NWB's requirements, the final Closure and Reclamation Plan shall require Cumberland to:	GN-Yes; EPA	GN-Yes; Guideline for Site Reclamation		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C19
		EC-Section 36(3) of Fisheries Act, Migratory Bird Convention Act and Migratory Bird Regulations, Species at Risk Act	EC-Yes, as detailed below	N/A		
A	Ensure that mine facilities and infrastructure are abandoned in such a manner that: i. The Project site is physically stable and any requirements for long term maintenance and monitoring are minimized; ii. Threats to public safety and wildlife are eliminated; and iii. Affected areas are returned to the original undisturbed conditions to the fullest extent possible.	GN-Yes; EPA	GN-Yes; Guideline for Site Reclamation		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	INAC's Mine Site Reclamation Policy for Nunavut (2002)		INAC - Jim Rogers and Spencer Dewar	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drummond - Superintendent NWPP, Edmonton	
			EC Advisory - review of monitoring results for water quality, migratory birds, and species at risk over which EC has jurisdiction		Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

No	Condition/ Commitment	Indicate whether your Regulatory Agency has any Statutory or regulatory authority for the Condition/ Commitment. If yes, please identify applicable legislation and approval instrument.	Indicate whether your Regulatory Agency can provide any expert advice for the Condition/Commitment. If yes, please identify source or reference.	In the absence of a specific statute, please provide indication of agency guidelines or other policies.	Key Contact name and information within Agency	Link to Commitment as numbered in Appendix A of Project Certificate
B	Prevent continuing impacts from contaminants and wastes on the environment including those associated with acid rock drainage;	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	INAC's Mine Site Reclamation Policy for Nunavut (2002)		INAC - Jim Rogers and Spencer Dewar	
			EC Advisory - Review of water quality monitoring results		Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
C	Remove all hazardous materials and waste and as much salvageable waste as practicable from the Project area; and	GN-Yes; EPA	GN-Yes; Guideline for Site Reclamation		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Land Lease and Quarry Permits under the Territorial Lands Act and Territorial Lands Regulations and Territorial Quarrying Regulations (INAC - Land Administration) and if part of water license (INAC - Water Resources)	INAC's Mine Site Reclamation Policy for Nunavut (2002)		IINAC - Jim Rogers and Spencer Dewar	
			EC Advisory - Review of water quality monitoring results, hazardous waste management plans		Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
D	Enter into written arrangements with its abandonment and reclamation contractors to ensure all site debris is cleaned up off the lands, including wind-blown debris.	GN-Yes; EPA	GN-Yes; Guideline for Site Reclamation		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		INAC - if part of approved A&R plan (INAC - Lands Administration) and (INAC - Water Resources)	INAC advisory		Jim Rogers and Spencer Dewar	
80	Cumberland shall file annually with NIRB's Monitoring Officer an updated report on progressive reclamation and the amount of security posted, as required by KivIA, INAC, and/or the NWB.	GN-Yes; EPA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C19
OTHER						
81	Beginning with mobilization, and for the life of the Project, Cumberland shall provide full 24 hour security, including surveillance cameras and a security office at the Baker Lake storage facility/marshalling area, and take all necessary steps to ensure the safe and secure storage of any hazardous or explosive components within the Hamlet of Baker Lake boundaries.	GN-Yes; EPA	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		NRCan - With respect to those components within Baker Lake identified for licence(s) issued under Section 7(1) (a) of the Explosives Act.	NRCan, please see http://www.nrcan-nrcan.gc.ca/mms/explosif/licen/licen_e.html for guiding documents		Viviane Dewyse, Explosives Branch, nrcAN, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5183, vdewyse@nrcan.gc.ca	
82	Cumberland shall monitor the ingress/egress of ship cargo at Baker Lake and report any accidents or spills immediately to the regulatory agencies as required by law and to NIRB's Monitoring Officer annually.	GN-Yes; EPA	GN-Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		INAC - Nunavut Waters and Nunavut Surface Tribunal Act (INAC - Field Operation)	INAC advisory		INAC - Peter Kusugak	
		EC - Section 36(3) of Fisheries Act	EC Advisory - Review of emergency response/spill contingency plans	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	

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		CSA, Regulatory requirement	Pollutant Discharge Reporting Regulations, 1995	Unknown	Muhammad Akhtar, TC Marine Safety	
83	Cumberland shall ensure that the explosive mix-truck is only used to mix diesel and ammonia nitrate to form an explosive only at the blast site, and that when the explosive mix-truck is not in use it is stored with the strictest setback requirements as required or recommended by NRCAN.	NRCAN, Explosives Act, temporary explosives factory licence, explosives factory licence	NRCAN, please see http://www.nrcan-mcan.gc.ca/mms/explosif/licen/licen_e.html for guiding documents		Viviane Dewyse, Explosives Branch, nrcAN, 1431 Merivale Road, Ottawa, ON, K2E 1B9, 613-948-5183, vdewyse@nrcan.gc.ca	
84	To the extent permitted by the IIBA, and when the assets are no longer required by Cumberland, Cumberland shall offer the Hamlet of Baker Lake the first right of refusal to purchase salvageable mine assets located within the Hamlet of Baker Lake boundaries.					
85	Cumberland shall develop a detailed blasting program to minimize the effects of blasting on fish and fish habitat, water quality, and wildlife and terrestrial VECs. The Blasting Program shall be developed in consultation with the DFO and GN, and shall:	GN-Yes; EPA & WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC - Section 36(3) of Fisheries Act, Migratory Birds Convention Act and Migratory Birds Regulations, Species at Risk Act	EC-Yes, as detailed below			
A	a) comply with the Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters (Wright and Hopky, 1998) as modified by the DFO for use in the north;	DFO - Yes - <i>Fisheries Act</i> Section 32	Guidelines for the Use of Explosives in or near Canadian Fisheries Waters		Tania Gordanier - DFO	
B	b) including a monitoring and mitigation plan to be developed in consultation with the DFO, and obtain DFO approval of the blasting program prior to the commencement of blasting;					
C	c) restrict blasting when migrating caribou, or sensitive local carnivores or birds may be negatively affected; and	GN-Yes; WA	GN-Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	C87

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			EC Advisory - Review of monitoring results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
D	d) minimize the use of ammonium nitrate to reduce the effects of blasting on receiving water quality.	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
DUTY TO COMPLY						
86	Cumberland shall comply with all Terms and Conditions of this approval, and any non-compliance constitutes a violation of the approval and is grounds for NIRB's reconsideration and recommendation to the Minister under Article 12, Part 8 of the NLCA.	GN - No	No			
APPENDIX A - LIST OF COMMITMENTS						
	Commit to re-run model for a sensitivity analysis on total dissolved solids concentration in pit waters 1	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of groundwater quality and surface water quality models	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Commit to resample groundwater monitoring wells in summer 2006 2	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of groundwater quality data monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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	Commit to considering capping Vault pile with fine grain material and/or establish corridors for wildlife	GN-Yes; EPA	Yes; Guideline for Contaminated site remediation		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
	Commit to identifying mitigation measures if groundwater contamination (tailings) has occurred during operation. Include what triggers would be used in this evaluation	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Jim Rogers	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
	Commit to assessing permeability of fault upon drawdown of North arm of Second Portage Lake and commit to establishing trigger levels and mitigation strategies	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of water quality monitoring results	n/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
		RA NWPA	Yes NWP Act		Steve Drumond	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	

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	Compile a technical memo that addresses "Accidents and Malfunctions" resulting from catastrophic events	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act, CEPA, Migratory Birds Convention Act, Migratory Bird Regulations, Species at Risk Act	EC Advisory - Review of impacts to water quality, air quality, emergency response/spill contingency planning, migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	7 Monitor the accuracy of predictions of the impact of road on wolverine and bears	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
	8 Adaptive road management plan that considers the all wildlife mortality incidents	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Birds Convention Act and Migratory Birds Regulations, and Species at Risk Act	EC Advisory - Review of management plans for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	9 Include in next Wildlife Monitoring summary report (March 2007)	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Birds Convention Act and Migratory Birds Regulations, and Species at Risk Act	EC Advisory - Review of management plans and monitoring results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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	• Review and evaluation of size of RSA • Report of the natural variability of VECs • Detailed analysis of distribution and abundance of cows, bulls and calves to distinguish between potentially different groups of caribou	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
10	Issue a revised TEMP document which will provide more detailed information on the following	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
	• Study used determine effects on ungulate populations from the increased human access caused by the all-weather road • Collaring study and cooperative agreement between DOE, CRL and other studies proposed • Investigative tools used to conduct monitoring surveys prior to construction	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
11	Provide details on statistical approach and validation to support conclusions drawn from monitoring impacts on wildlife	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Bird Convention Act and Migratory Bird Regulations, Species at Risk Act	EC Advisory - Review of monitoring results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
12	Participate in socio-economic monitoring programs that will be developed in collaboratively by the RMMC	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	
13	Develop a wellness monitoring plan for Baker Lake and other communities that might be impacted by the project. The geographic scope of wellness monitoring to be defined at that time	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	

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14	Work with INAC and other interested parties to develop details of all-weather road management plan	GN-No	Yes		John Hawkins, Transportation Policy & Planning, Iqaluit, John Hawkins (867)975-7826	
			INAC advisory		INAC - Spencer Dewar	
15	Update of Access and Air Traffic Management Plan to incorporate adaptive management practices	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Spencer Dewar	
		EC-Migratory Birds Convention Act, Migratory Bird Regulations, Species at Risk Act	EC Advisory - Review of monitoring results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
16	Effectively communicate to community of Baker Lake the private nature of the road and inform residents of CRL road-use restrictions	GN-No	No			
17	Effectively communicate CRL road-use policy to community of Baker Lake	GN-No	No			
18	Observe, collect and maintain information on road-use to facilitate monitoring of the nonproject uses of the road	GN-No	No			
			INAC advisory		INAC - Spencer Dewar and JF Beauchesne	
19	Consult with stakeholders and update its reclamation and closure plan with the final design for decommissioning once this information becomes available	GN-Yes; EPA	Yes; Contaminated site remediation guideline under EPA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		EC-CEPA, Section 36(3) of Fisheries Act	EC Advisory - Review of monitoring results for water quality, hazardous materials management	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Should CRL maintain or operation the road beyond the current proposal, INAC 20 suggests a subsequent environmental assessment may be required	GN-No	No		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC advisory		INAC - Robyn Abernethy Gillis	
	Track the community of origin of hired Nunavimmiut to direct monitoring and follow-up activities 21	GN-No	No		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	
	Consider adaptive monitoring and mitigation measures for communities other than Baker Lake should these be substantially affected by the Project 22	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	
	Data collected during normal mine operation will be gathered and reported in a form that is compatible with socio-economic project monitoring 23	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	

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	Submit complete Spill Contingency Plan to EC for review, once available. This 24 plan will address the concerns of the residents of Chesterfield inlet	GN-Yes; EPA	Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-CEPA, Section 36(3) of Fisheries Act	EC-review of emergency response/spill contingency plans	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Follow DFO recommendations on the design of water course crossings to 25 minimize impacts to fish and fish habitat (March 10, 2006 letter from DFO)	GN-No	No			
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		DFO - Yes - <i>Fisheries Act</i> Section 35			Tania Gordanier - DFO	
	Engage local HTO in the development, implementation and reporting of creel 26 surveys within water bodies affected by the project	GN-No	No			
	Provide clarification on what vessels will marine mammal monitors be allowed to 27 board	GN-No	No			
	Notify Navigable Waters Protection Program to assess the navigability of 28 additional water crossings, if any, along the all-weather route	GN-No	No			
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
	Engage in discussions with representatives of the Canadian Coast Guard to 29 reassess where response and spill kits are presently located within Nunavut , and not put the onus on TC for placing community spill kits in the Hamlets of Chesterfield Inlet and Baker Lake	GN-Yes; EPA	Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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			INAC advisory		INAC - Jim Rogers	
		n/a	TC is not the responsible lead agency for the location of spill response equipment.	n/a	Muhammad Akhtar, TC Marine Safety	
	Identification of the proper Transport Canada branches and other federal government departmental responsibilities will be specified where appropriate	GN-No	No			
			Refer to Appendix B - List of applicable Legislation and Authorizations required for the Meadowbank Gold Mine Project for the Transport Canada branches.		Steve Drumond, Superintendent NWPP, Edmonton _ Muhammad Akhtar, TC - Marine Safety, Wayne Woloshyn, TC - Civil Aviation	
	Monitoring of caribou within the study area be completed on a monthly basis once all-weather road is completed	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
	Notify the Department of Land and Resources of any changes in the proposed project	GN-No	No			
	Only a Transport Canada Certified Shipper will be hired to carry Cumberland's supplies	GN-No	No			
		CSA Periodic Ship Inspection	Numerous Regulations and Standards regarding Ship Construction, Personnel certification, Safe Working Practices, etc.	Unknown	Muhammad Akhtar, TC Marine Safety	
	The shipping company will have spill equipment on board with crew trained to deploy the equipment	GN-Yes; EPA	Yes; Spill contingency and reporting regulations and Guideline for Contingency planning and spill reporting in Nunavut		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		CSA, Periodic Ship inspections	Oil Pollution Regulations, Numerous Standards regarding vessel operations in Arctic Waters	Unknown	Muhammad Akhtar, TC Marine Safety	

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	The Coast Guard will be notified as soon as a spill has occurred and, if required, will provide further spill support	CSA, Regulatory requirement	Pollutant Discharge Reporting Regulations, 1995	Unknown	Muhammad Akhtar, TC Marine Safety	
			INAC advisory		INAC - Peter Kusugak	
	Once the shipping company is hired, the shipper and Cumberland will return to Chesterfield Inlet for a one-day workshop to more fully discuss the successful companies' procedures, type of ships, spill equipment, etc.					
	Cumberland will place a local monitor from Chesterfield Inlet on ships carrying fuel for the Meadowbank project					
	Cumberland will request that the shipping company contracted to carry fuel for the project carry out practice drills deploying their spill equipment in various locations within the inlet	CSA, Periodic Ship inspections	Pollutant Discharge Reporting Regulations, 1995	Unknown	Muhammad Akhtar, TC Marine Safety	
	In addition to the initial TK information currently being gathered by Andrea Tautu of the HTO on cabins and hunting areas, Cumberland will conduct a one-day workshop to more fully gather TK relating to local activities in the inlet					
	In addition to the local monitor, captains will follow the following mitigation procedures in the event that marine mammals are in the vicinity of the shipping activities – Construction /Operations:	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		CSA, Regulatory requirement	Collision Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	
	i) Wildlife will be given right of way. ii) Ships will maintain a straight course, constant speed, and will avoid erratic behaviour. iii) When marine mammals appear to be trapped or disturbed by barge/ship movements, the barge/ship will stop until the mammals have moved away from the area.	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
41	Cumberland and the Shipper will carry shipping insurance	CSA, AWPPA, Marine Liability Act Periodic Ship Inspections	Oil Pollution Regulations, Arctic Waters Pollution Prevention Regulations	Unknown	Muhammad Akhtar, TC Marine Safety	

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	Cumberland will conduct annual community consultation visits in Chesterfield to report on the project and related shipping activities and to hear any concerns/comments from Chesterfield Inlet residents					
42	Re-do WQ modeling with less conservative assumptions: no rock wetting factors, no permafrost, use 1-kg IV rather than 100-kg IV rates for poor-end; used 100-kg for best estimate; higher temperature of soil to air by 4.4oC; long-term WQ w global warming; minimal improvement to WQ from UM cover (not automatic transition)	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
43			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
44	Additional Field and lab analysis of WR to segregated PAG and non-PAG rock	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
45	Diffuser design and impact of effluent on receiving environments	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-MMER (Environmental Effects Monitoring Program) - relating to the monitoring environmental effects in the receiving environment (exposure areas versus reference areas)	EC Advisory - Review water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
46	Adaptive management of (placement of) mine waste material considering monitoring results obtained during operation	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	

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			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
47	Confirmatory sampling of Road alignment rock and pre-approval of ARD criteria	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		Jim Rogers	
48	Detailed plans for water treatment	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
49	Evaluation of viability of proposed in-situ and active treatment system and subsequent effects of effluent to receiving environment (near and far-field)	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-MMER (Environmental Effects Monitoring Program) - relating to the monitoring environmental effects in the receiving environment (exposure areas versus reference areas)	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
50	Re-evaluate model using 2003 and 2004 groundwater data	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - review of groundwater quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Replace defective wells and conduct 3 to 4 semi-annual groundwater monitoring rounds 51	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of groundwater quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	After 1 year of additional data collection (in 2007) re-evaluate water quality (model) to compare to actual performance once mine start up 52	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of groundwater and surface water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	1.1 Reconsider ARD screening criteria and include regulators in approval of ratios/guidelines as warranted 53	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
54	1.2 Long-term chemical stability (metal leaching) of UM rock	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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			INAC - advisory		INAC - Jim Rogers	
	1.4 revise water balance and water quality predictions. Measures to monitor and confirm predictions, trigger for mitigation	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act, MMER	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	1.5 operational criteria for waste management and use of WR	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
	1.6 provide/develop summary of treatment needs	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act, MMER	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	1.7 effluent plume delineation (near-field) modeling and revised WQ predictions	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		EC-Section 36(3) of Fisheries Act, MMER	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
59	1.9 Monitoring of all-weather road rock quality, ARD/ML potential	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers and Spencer Dewar	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	1.10 Continued geochemical characterization (laboratory and filed tests) of UM, PAG and uncertain PAG rock and input into adaptive waste management plan	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
60			INAC - advisory		INAC - Jim Rogers	
	Lake bed sediment samples to be collected and analyzed for geotechnical properties	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
61			INAC - advisory		INAC - Jim Rogers	
		EC-Section 36(3) of Fisheries Act	EC Advisory - Review of water quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Review tailings and waste management alternatives including climate change, conduct gap analysis to determine deficiencies required for engineering and construction of dikes	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
62			INAC - advisory		INAC - Jim Rogers	

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		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
63	Consolidate Tailings management alternatives assessment into one document	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		EC-MMER, Schedule 2 listing -- no permit/authorization to issue	EC Advisory - Review of water quality monitoring results, alternatives assessment	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
64	Perform a technical review of dewatering dikes	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
		Yes, NWPA	Yes, NWP Act		Steve Drumond, Superintendent NWPP, Edmonton	
		GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
65	Carry out coupled seepage-thermal and solute transport modeling including Second Portage lake fault zone					
			INAC - advisory		INAC - Jim Rogers	
			NRCan		Andrew McAllister, Senior Environmental Assessment Officer, NRCan, 580 Booth, Ottawa, ON, K1A 0E4, 613-995-3153, amcallis@nrcan.gc.ca	
66	Revise the No Net Loss plan to address specific requirements related to the scheduling the northwest arm of Second Portage Lake as a Tailings Impoundment Area	Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	

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		DFO - Yes - Metal Mining Effluent Regulations			Tania Gordanier - DFO	
		DFO - Yes - Fisheries Act Section 35			Tania Gordanier - DFO	
67	Investigate additional "A" and "B" list compensation options during summer 2006		INAC - advisory		INAC - Jim Rogers	
68	Incorporate hydrology information at fish bearing stream crossings into detailed design of bridges and culverts along the all-weather road					
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
		DFO - Yes - Fisheries Act Section 35			Tania Gordanier - DFO	
		Yes, NWPA Sec 5-6	Yes, NWP Act		Steve Drumond - Superintendent NWPP, Edmonton	
69	Provide detailed engineering of water intake pipe to avoid fish habitat disturbance along the shoreline					
		DFO - Yes - Fisheries Act Section 35			Tania Gordanier - DFO	
70	Prepare and implement Incinerator Waste Management Plan	GN-Yes; EPA & CWS	Yes; CWS for furan and dioxin, and CWS for mercury		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-CEPA, Canada-wide Standard for Dioxins and Furans and Canada-wide Standard for Mercury	EC Advisory - Review of air quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		GN-No	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
71	Develop Energy Conservation Plan					
72	Incorporate the Government of Nunavut Dust Suppression Guidelines issued under the Environmental Protection Act to Cumberland Air Quality Management Plan	GN-Yes; EPA	Yes; Guideline for Dust Suppression		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		EC-CEPA	EC-Review of Air Quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Conduct annual incinerator stack emission monitoring for mercury, dioxins and furans and report results to Environment Canada and Government of Nunavut	GN-Yes; EPA & CWS	Yes; CWS for furan and dioxin, and CWS for mercury		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-CEPA, Canada-wide Standard for Dioxins and Furans	EC Advisory - Review of air quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Provide annual report of the quantity and type of waste generated at the mine site distinguishing landfilled, recycled and incinerated streams	GN-Yes; EPA & CWS	Yes; CWS for furan and dioxin, and CWS for mercury		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Jim Rogers	
	Reassess the selection of incinerators and justify the decision in regards to best available economically feasible technologies (BAEFT)	GN-Yes; EPA & CWS	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-CEPA, Canada-wide Standard for Dioxins and Furans and Canada-wide Standard for Mercury	EC Advisory - Review of air quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		GN-Yes; EPA & CWS	Yes; CWS for furan and dioxin, and CWS for mercury		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
76	Provide a list of all personnel trained to operate the incinerator					
		EC-CEPA, Canada-wide Standard for Dioxins and Furans and Canada-wide Standard for Mercury	EC Advisory - Review of air quality monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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77	Install and operate two particulate samplers at the project site and report annually monitoring results conforming to detailed reporting protocol	GN-Yes; EPA	Yes; Guideline for Air quality-sulphur dioxide & suspended particulates		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-CEPA	EC-air quality	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
78	Perform sound level monitoring twice a year and document results	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
79	Justification for existing RSA	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
80	Elaboration of threshold mortality levels of "1" for Grizzly Bear, Wolverine, Caribou and Muskox, and commitment to report any mortalities of the above species immediately and enact adaptive mitigation measures immediately	GN-Yes; WA	Yes; WA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
81	Details of hunter harvest study	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
82	Discussion of aircraft over-flight height limits (610 m for point to point; 1000m vertical and 1500m horizontal for concentrations) and proposed efforts to monitor impacts of air traffic at mine site on wildlife	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		EC-Migratory Birds Convention Act and Migratory Birds Regulations, and Species at Risk Act	EC Advisory - Review of monitoring results for migratory birds and species at risk over which EC has jurisdiction	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		Aeronautics Act	Aeronautical Information Manual, RAC section, parts 1.14.1, 1.14.3 and 1.15.2	YES	Wayne Woloshyn / Manager of Aerodromes and Air Navigation / Prairie and Northern Region / Transport Canada Civil Aviation	
83	Methodology of all monitoring programs including satellite-collaring	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
84	Description of statistical approach, power and capability	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
85	Details on revegetation monitoring post-closure including commitment to initiate revegetation trials as early as possible	GN-Yes; WA & EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
86	Management approach to waste rock piles and quarry sites	GN-Yes; EPA	Yes; Contaminated site remediation guideline under EPA		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
			INAC - advisory		INAC - Spencer Dewar	
87	Elaboration of environmentally sensitive times for blasting	GN-Yes; EPA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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	Map of Key Migratory Bird Site and commitment to avoiding disturbance between mid-June and late-August	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Birds Convention Act and Migratory Birds Regulations	EC Advisory - Review of migratory birds monitoring results -- Please see CWS Occasional Paper #71 "Key migratory bird Terrestrial habitat sites in Northwest Territories"	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Commitment to collecting and analyzing waterfowl data from monitoring surveys, particularly from aerial surveys of RSA	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Birds Convention Act and Migratory Birds Regulations	EC Advisory - Review of survey methods and migratory birds monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Commitment to conducting breeding bird surveys annually during construction phase and at least the first three years of operation	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Birds Convention Act and Migratory Birds Regulations	EC Advisory - Review of migratory birds monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Elaboration of mitigation measures to reduce denning, roosting, and nesting sites for avian predators and Arctic foxes	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Migratory Birds Convention Act and Migratory Birds Regulations	EC-Advisory - Review of migratory birds monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	

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92	Information on management approach for Short-eared Owl	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
		EC-Species at Risk Act	EC Advisory - Review of management plan for Short-eared owls -- Note: day to day management of short-eared owls rests with the Government of Nunavut	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
93	Program details of Inuit monitors on barges/ships					
94	Methodology for interviewing elders and hunters annually – traditional knowledge workshop					
95	Commitment to annual reports summarizing: a) information from traditional knowledge workshop; b) government population and harvest data; and c) on-board Inuit observation and encounter reports					
96	Analyses of natural environmental changes	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
97	Discussion of caribou data distinguishing between sex and age	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
98	Analysis of waterfowl data collected on aerial and other surveys	GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	

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		EC-Migratory Birds Convention Act and Migratory Birds Regulations	EC Advisory - Review of migratory birds monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
		GN-Yes; WA	Yes; no specific guiding documents.		Mike Atkinson (GN-DOE :Manager of Land Use and Environmental Assessment) PH: (867) 975-7732 EM: matkinson@gov.nu.ca	
99	Analysis of breeding bird plot and transect survey data					
		EC-Migratory Birds Convention Act and Migratory Birds Regulations	EC Advisory - Review of migratory birds monitoring results	N/A	Colette Spagnuolo Tel: 867-975-4639; Fax: 867-975-4645; Email: colette.spagnuolo@ec.gc.ca	
	Cumberland, in the FEIS and the letter to INAC in early March, had undertaken to participate with other interested parties in collaborative socio-economic monitoring, specifically focusing on issues related to individual and community wellness. This monitoring will be outside the IIBA, and is similar in concept to that agreed for the Jericho and Doris North projects. Cumberland has agreed with INAC, as a commitment, that Cumberland will initiate a process to agree on objectives, scope, terms of reference and roles and responsibilities for this monitoring before the issuance of any project certificate, with a goal of achieving agreement within six months of the issuance of any project certificate	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
100						
			INAC advisory		INAC - JF Beauchene	
	Cumberland agrees with INAC that labor force adjustments, the transition to full time wage employment and the relationship between economic growth and community wellness are issues that should be included in socio-economic monitoring	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
101						
			INAC advisory		INAC - JF Beauchene	
	Cumberland has agreed with INAC, as a commitment, to include pre employment orientation for potential hires by Cumberland in the Labor Force Development Plan that will be developed under the terms of the IIBA. This commitment is in recognition that it is in the interests of both potential hires and Cumberland to ensure to the extent practicable that potential hires are well informed of the implications (nature of the work, workforce management, personal and family challenges etc.) of accepting employment with Cumberland	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
102						
			INAC advisory		INAC - JF Beauchene	

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103	Cumberland, in the FEIS and the letter to INAC in early March, had undertaken to participate with other interested parties in collaborative socio-economic monitoring, specifically focusing on issues related to individual and community wellness. This monitoring would be outside the IIBA, and is similar in concept to that agreed for the Jericho and Doris North projects. Cumberland has agreed with GN, as a commitment, that Cumberland will initiate a process to agree on objectives, scope, terms of reference and roles and responsibilities for this monitoring before the issuance of any project certificate, with a goal of achieving agreement within six months	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
104	Cumberland agrees with GN that labor force adjustments, any pressures on physical and social infrastructure (including by emergency response planning), socio-economic impacts of public use of the access road, and community physical and mental health are issues that should be included in socio-economic monitoring	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	
105	Cumberland also agrees with GN that consultation and traditional knowledge will be integral to socio-economic monitoring methodologies	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	
106	Cumberland also agrees that socio-economic monitoring results will be used to make recommendations to participating parties on measures to address identified community wellness challenges. This would include recommendations for action by Cumberland where monitoring results indicate negative relationships between community wellness indicators and the project and/or opportunities for enhancing project benefits	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
			INAC advisory		INAC - JF Beauchesne	
107	Cumberland commits to engage throughout the life of the project with the GN Department of Education in Baker Lake on	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
	under the Apprenticeship, Trade and Occupations Certification Act o The working relationship between the Department of Education and Cumberland as this relates to Cumberland's training programs for its workforce o Information exchange on workforce preparation requirements o Cumberland's commitment under the IIBA to provide supervisory and management training	GN-Yes, Apprenticeship, Trade and Occupations Certification Act	Yes		Irene Tanuyak, Department of Education, Government of Nunavut (867) 975-5600	

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108	Information made available by or to Cumberland under the terms of the IIBA in the areas of support to businesses in accessing project opportunities will be forwarded to the GN	GN-No	Yes		Ed McKenna, Department of Economic Development & Transportation, Government of Nunavut (867) 975-7817	
109	Cumberland commits to discussions with the GN Petroleum Products Division at least annually for the purpose of planning project jet fuel requirements					
110	Cumberland commits to engage throughout the life of the project with the GN Department of Health and Social Services on					
	o Cumberland's activities covered by all relevant health legislation, including health legislation relevant to operating mines with more than 50 employees o Cumberland's commitment under the IIBA to develop the annual Baker Lake Wellness Report and Implementation Plan					
111	Cumberland's commitment under the IIBA to provide employment support including counseling workshops and programs					
112	Cumberland undertakes to develop an operational plan for the road which ensures maintenance of its status as a private road. Cumberland will develop this plan in collaboration with INAC, KIA, NTI, GN, and the Baker Lake HTO and Hamlet council					
			INAC advisory		INAC - Spencer Dewar	
113	Commitment to reassess archeology sites	GN-Yes, Nunavut Archaeological and Palaeontological Site Regulation, the NLCA Section 33, and the Nunavut Act Section 51 and 52.	GN-Yes, Guidelines for Nunavut Archaeological and palaeontological permit holders		Julie Ross jross@gov.nu.ca (Until April 2007) April 2007-April 2008 Doug Stenton dstenton1@gov.nu.ca	