

APPENDIX 1
DRAFT ENVIRONMENT POLICY

APPENDIX 1.

BATHURST INLET PORT AND ROAD JOINT VENTURE

Draft Environmental Policy

The purpose of the Bathurst Inlet Port and Road Project is to build and operate a transportation network in the West Kitikmeot Region of Nunavut to enhance the economic feasibility of resource development in the region for the benefit of the Inuit residents there. Port and road construction and operations will be conducted in a manner that protects the long term integrity of the tundra environment and the fish and wildlife populations it sustains. Every person and company that uses the Project's transportation network and facilities will be required to adhere to the Code of Good Conduct for Land Users in the region established by the Nunavut Planning Commission (1997).

Code of Good Conduct for Land Users*

1. The landscape of each camp and other land use sites will be restored to its original condition to the greatest degree possible. Water quality will be preserved and no substances that will impair water quality will be dumped in water bodies. When possible, and feasible, old sites will be restored to the natural state.
2. All land users shall assist communities and government(s) in identifying and protecting archaeological sites and carving stone sites.
3. As a general rule, low-level flights by aircraft at less than 300 meters should not occur where they will disturb wildlife or people. Where possible scheduled low-level flights will only take place after consultation with the appropriate communities. All land users are responsible for reporting to the appropriate authorities any illegal or questionable low level flight.
4. All activities on the land will be conducted in such a fashion that the renewable resources of the area in question are conserved.
5. Whenever practicable, and consistent with sound procurement management, non-resident land users will follow the practice of local purchase of supplies and services.
6. Non-resident land users will establish working relationships with local communities and respect the traditional uses of the land.
7. During the caribou calving, post-calving, and migrating season, land use activities should be restricted to avoid disturbing caribou, in general, and more specifically will be governed by caribou protection measures.
8. Artifacts must be left where they are found. All land users are responsible for reporting to the appropriate authorities the location of, or any removal or disturbance of artifacts.

* Source: Nunavut Planning Commission. 1997. West Kitikmeot Regional Land Use Plan (draft).

APPENDIX 2
GENERAL REQUIREMENTS FOR A PROJECT
DESCRIPTION (NIRB, 1997)

APPENDIX B

NUNAVUT IMPACT REVIEW BOARD GENERAL REQUIREMENTS FOR A PROJECT DESCRIPTION

Although the level of detail will vary with the scope of the project a description of the following elements should be included with a project proposal application.

In making its determination NIRB uses both traditional Inuit knowledge and recognized scientific methods. Throughout the document please cite whether information was gathered through Inuit knowledge or by recognized scientific methods

1. BACKGROUND INFORMATION

- ◊ **Proponent Identification Information**
 - ◊ company name and mailing address;
 - ◊ phone and fax number;
 - ◊ contact person; and
 - ◊ field supervisor, phone number and/or radio phone number.
- ◊ **The Name of the Lead Authorising Agency and List of all Approvals, Permits and Licenses Required**
 - ◊ list the approvals, permits and licenses required (regulatory agency, contact name, address, phone number)
- ◊ **A List of Previous Environmental Assessments**
 - ◊ describe all prior relevant environmental assessments of the project (proponent name, type of operation, year operation began)

2. PROJECT DESCRIPTION

This section should describe in sufficient detail all aspects of the planning, designing, construction, operation, ongoing restoration activities, decommissioning, and post-decommissioning phases of the proposal including:

- ◊ **Title of Project**
- ◊ **Type of Activity**
- ◊ **Summary of Operation (purpose, nature of all activities)**
- ◊ **Preferred Option(s)**
 - ◊ include supporting rationale; and
 - ◊ evaluate any and describe any *alternatives* to the project and to the project components eg. alternative routes, alternative technologies.

◊ **Project Location**

- ◊ indicate the ownership of land(s) that the project would be using (whether the project requires the use of Inuit Owned Lands, Crown land, Commissioner's land, or combination thereof);
- ◊ a general location map and a map of adjacent area (1:1,000,000 or 1:4,000,000); and
- ◊ a location map of activities, facilities and camp(s), including off-site facilities such as roads, airstrips, camps and staging areas (include NTS maps at 1:250,000 and at 1:50,000 scale; provide latitude and longitude of primary activities).

◊ **Schedule**

- ◊ timetable of activities including:
 - ◊ construction, operation and decommissioning schedules; and
 - ◊ the length of time of each activity.

◊ **Operations Plan**

- ◊ site facilities and associated infrastructure (during all phases of project)
- ◊ methods and processes involved;
- ◊ technology to be used (including drills, pumps, chemicals, transportation, etc.)
- ◊ detailed description of any new technology;
- ◊ waste (describe all types, volumes, handling, disposal methods and alternatives including: garbage, sanitary and sewage wastes, brush and vegetation, overburden, waste rock, tailings);
- ◊ water (sources, amounts and composition at different stages in the process);
- ◊ energy (sources, amounts and alternatives) (e.g. types of fuels to be used and amounts; associated infrastructure (bermed tanks, etc.));
- ◊ camp facilities; and
- ◊ workforce.

◊ **Site Access and Transportation Methods**

- ◊ existing or new access (land, air or sea);
- ◊ staging areas; and
- ◊ volumes, frequency, type and weight of vehicles.

◊ **Environmental Protection and Contingency Plans**

- ◊ describe the types, volumes, handling, storage and disposal of all toxic substances;
- ◊ describe types of pollution control systems and procedures, including safety systems and procedures, and the environmental and safety standards to be met by proponent;
- ◊ describe any environmental management plans (such as acid rock drainage (ARD) control, erosion control, air and water quality control, wildlife management);
- ◊ provide a spill contingency plan that outlines the response procedures to be followed and any onsite equipment to be used for emergency situations such as spills, fire, floods or other acts of nature.

3. DESCRIPTION OF THE ENVIRONMENT

The descriptions should encompass both scientific and traditional ecological knowledge.

0 Description of the Biophysical Environment

- 0 site location, topography and geology, including: soils; geologic hazards: earthquakes, landslides, erosion, permafrost, acid rock drainage potential;
- 0 hydrology - drainage region and watershed, name of nearest creek, river or lake system; water quality and flow characteristics;
- 0 ecology -important flora and fauna, their habitats, distribution, migration routes and relationships to other species; rare and endangered species; ecological succession; existing environmental stresses;
- 0 a list of the *Valued Ecosystem Components*, including a list of all globally, nationally, provincially or locally rare, sensitive or protected species found in the project environment, and their significance;
- 0 climate -daily and monthly averages and extremes of temperature, humidity, wind speed and direction, precipitation and storms, violent weather; noise
- 0 an overview of traditional knowledge of the environment;
- 0 land use -traditional use areas; special land designation, commercial, industrial, residential, recreational; land capability; transportation routes and corridors (road, water, air); utilities and transmission lines; water resources; and
- 0 other imminent plans that will affect land use.

0 Description of the Social, Cultural and Economic Environments

- 0 elements and features considered to be unique to the area and/or its inhabitants and their quality of life
- 0 list the affected communities, outpost camps, traditional use areas, camps and tourist facilities;
- 0 socio-economic conditions (including lifestyle and types of employment)
- 0 historical, scenic, cultural and natural landmarks -registries of historical places; archaeological surveys

4. DESCRIPTION OF PUBLIC CONSULTATION PROCESS

0 provide a summary of pre-submission consultation including:

- 0 organization(s) and person(s) consulted;
- 0 the response of the public to the project;
- 0 a description of the issues and concerns raised and the proponent's response to these concerns.
- 0 a list of the Valued Ecosystem and Valued Socio-Economic Components (VECs, VSCs) that were identified during consultation;
- 0 how the consultation has affected project design;
- 0 an outline of existing and planned information materials such as news releases, reports, bulletins, newsletters, brochures, audio-visual materials, other print and electronic advertisements or displays; and
- 0 any plans for future consultation activities and their timing

- ◊ An "Executive Summary" document should be provided to the affected communities and to NIRB written in the each community's preferred language (Inuktitut or Innuinaqun).

N.B. An Inuktitut / Innuinaqun speaking community liaison person may be beneficial to the public consultation process.

5. IDENTIFICATION OF ENVIRONMENTAL EFFECTS

This is a key section in which predicted environmental, social, cultural and economic effects of the project are summarized and discussed using both traditional and scientific knowledge. The potential effects should be identified in terms of existing environmental, social, cultural and economic values.

◊ Identification of Biophysical Environmental Effects

- ◊ describe potential effects on environment and resources

- ◊ terrain
- ◊ water (fresh water and marine)
- ◊ vegetation
- ◊ fisheries
- ◊ wildlife
- ◊ marine mammals
- ◊ environmental health
- ◊ heritage resources
- ◊ other land uses/land users

- ◊ describe the potential effects of the environment on the project (eg. floods, permafrost)

◊ Identification of Social, Cultural and Economic Effects

- ◊ describe potential effects on communities, outpost camps, tourist facilities;
- ◊ describe potential effects on the social, cultural and economic environments(eg. impacts on traditional land use and hunting, trapping or fishing);
- ◊ describe impacts on women, men, children, elders, families;
- ◊ describe impacts on aesthetics;
- ◊ estimate the amount and type of labour required, over how long, and how this is to be met for all stages of the project cycle, including construction and operation of the project;
- ◊ describe plans to hire and train northerners, and specifically the Inuit;
- ◊ describe plans to contract local or Inuit owned companies to provide services or / and products to your operation;
- ◊ if applicable, indicate whether an Inuit Impact Benefit Agreement is in process or has been completed;
- ◊ describe expected requirements for local facilities and services (electricity, water, sewage, schools, health services, housing, roads, transportation, air traffic, weather forecasting and monitoring etc.);
- ◊ describe potential effects on cultural landmarks; and
- ◊ list benefits and drawbacks associated with the project

6. IDENTIFICATION OF CUMULATIVE ENVIRONMENTAL EFFECTS

- ◊ identify past, present and imminent projects and / or activities occurring in the area; and
- ◊ describe the impacts of past and present projects / activities in combination with the potential impacts of other imminent projects.

7. IDENTIFICATION OF MITIGATION MEASURES AND RESIDUAL IMPACTS

- ◊ Describe the measures which will be used to minimize or mitigate any identified harmful environmental, social, economic, cultural and cumulative impacts and enhance any beneficial effects.

8. ABANDONMENT/DECOMMISSIONING PLANS

- ◊ Describe the options for temporary, seasonal and final closure.

N.B. NIRB will uphold a "pack-it-in" - "pack-it-out" philosophy.

9. MONITORING AND MAINTENANCE PLANS

- ◊ Describe any monitoring plans and the schedule for submitting these monitoring reports to NIRB.

10. LIST INFORMATION SOURCES

- ◊ List all information sources used in the preparation of the project description; and
- ◊ List any available documentation on any baseline data that has been collected.



APPENDIX 3
DETAILED PROJECT SCHEDULE

Activity ID	Activity Description	Orig Dur	Rem Dur	Early Start	Early Finish	2004												2005												2006												2007	
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	M											

Engineering

1000	Project Development	191	191	03JAN04	12JUL04															
Port Site Development																				
2001	Mobilization to Bathurst Inlet	68	68	11JUL05*	16SEP05															
2002	Drill and Blast - Port Site	124	124	25JUL05*	25NOV05															
2003	Construct Barge Landing and Sediment Pond	10	10	08AUG05	17AUG05															
2019	Set Up Crusher and Process Material	132	132	08AUG05	17DEC05															
2005	Rough Grade Port Site Roads and Fuel Depot	21	21	18AUG05	07SEP05															
2011	Construct Sediment Pond -South	10	10	18AUG05	27AUG05															
2007	Construct Tank Farm (berm & Liner)	48	48	01SEP05	18OCT05															
2013	Erect Raw Water Pumphouse Module	21	21	01SEP05	21SEP05															
2006	Grade Camp Site and Set up Camp	35	35	08SEP05	12OCT05															
2008	Erect Tanks (first 4)	75	75	15SEP05	28NOV05															
2014	Erect Potable Water Pumphouse Module	35	35	22SEP05	26OCT05															
2017	Install Raw Water & Fire Water Phase 1 -Camp	40	40	22SEP05	31OCT05															
2021	Erect Maintenance Building	120	120	22SEP05*	23JAN06															
2018	Install Potable Water Lines	63	63	25SEP05	26NOV05															
2009	Instal Power Generation	40	40	29SEP05	07NOV05															
2010	Install Sewage Treatment Plant inc. Bldg.	33	33	29SEP05	31OCT05															
2012	Erect Fuel Unloading Module inc. Bldg.	27	27	13OCT05	08NOV05															
2016	Instal Fuel Piping Phase I Port & 4 Tanks	33	33	09NOV05	11DEC05															
2020	Install Fuel Dispensing System	14	14	12DEC05	27DEC05															
2004	Const. Jetty, Air Strip & Helipor	160	160	08JAN06*	16JUN06															
2025	Install Fire Water Lines - Phase II - Tank Farm	70	70	26JAN06	05APR06															
2015	Erect Remaining Tanks (6)	160	160	14MAY06	21OCT06															
2024	Install Fuel Piping Phase II Remaining Piping	91	91	27JUL06	25OCT06															
2026	Commission and Clean up	22	22	07NOV06*	28NOV06															
2027	Demobilization	45	45	09DEC06	26JAN07															

Access Road - Port to Km 126																				
3001	Construct Access Km 0 to 2.5 Complete	28	28	13OCT05	09NOV05															
3003	Rough Grade Km 2.5 to Km 42	65	65	24NOV05	31JAN06															
3005	Rough Grade Km 42 to Km 68	57	57	31JAN06	28MAR06															
3004	Process Granular Material for Km 8 to Km 60	88	88	15MAR06	10JUN06															
3006	Rough Grade Km 68 to Km 126	95	95	29MAR06	02JUL06															
3013	Place 100 mm minus Km 2.5 to Km 35	30	30	04JUN06	04JUL06															
3007	Process Granular Material Km 60 to Km 126	90	90	11JUN06	09SEP06															
3009	Place 100 mm minus Km 35 to Km 65	30	30	04JUL06	02AUG06															
3011	Place 100 mm minus Km 65 to Km 126	66	66	03AUG06	07OCT06															
3015	Clean up and Demob to Contwoyto Lake	60	60	08OCT06	06DEC06															

Access Road - Contwoyto Lake to Km 126																				
3100	Mobilize to Contwoyto Lake via Ice Road	50	50	15DEC04*	06FEB05															
3200	Construct Laydown Area and Camp Site	35	35	04JAN05*	07FEB05															
3102	Rough Grade Km 211 to Km 180	112	112	08JAN05*	29APR05															
3103	Process Granular Material for Km 211 to Km 180	60	60	08APR05*	06JUN05															
3104	Rough Grade Km 180 to Km 149	183	183	01JUN05	01DEC05															
3106	Process Granular Material for Km 180 to Km 149	60	60	10JUN05	09AUG05															
3108	Rough Grade Km 149 to Km 126	211	211	01DEC05	04JUL06															
3201	Construct and Commission Utilities, Setup Camp	7	7	11JAN06*	17JAN06															
3110	Process Granular Material for Km 149 to Km 126	66	66	01APR06	05JUN06															
3105	Place 100 mm minus Km 211 to Km 180	32	32	05JUL06	05AUG06															
3109	Place 100 mm minus Km 180 to Km 149	32	32	07AUG06	07SEP06															
3112	Place 100 mm minus Km 149 to Km 126	30	30	05SEP06	04OCT06															
3114	Clean up and Demob	60	60	05OCT06	03DEC06															

Start Date

02JAN04

26JAN08

02JAN04

09MAY03 14:35

Finish Date

02JAN04

02JAN04

02JAN04

09MAY03 14:35

Run Date

02JAN04

02JAN04

02JAN04

09MAY03 14:35

Early Bar

Progress Bar

Critical Activity

Sheet 1 of 1

Date

Revision

Checker

Approved

Nuna Logistics

Bathurst Inlet Port and Road

Classic Schedule Layout

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APPENDIX 4

LAND USE AND WATER USE APPLICATIONS

NUNAVUT WATER BOARD LICENCE APPLICATION FORM

Application for licence, amendment to licence, or renewal of licence

APPLICATION/LICENCE NO:

(Amendment or renewal only)

1. NAME AND MAILING ADDRESS OF APPLICANT

Bathurst Inlet Port and Road
Joint Venture Ltd.
c/o 666 Burrard Street, Suite 340
Vancouver, BC V6C 2X8

Phone: (604) 682-4667

Fax: (604) 682-4473

2. ADDRESS OF HEAD OFFICE IN CANADA IF INCORPORATED

9839 31 Avenue
Edmonton, AB T6N 1C5

3. LOCATION OF UNDERTAKING (describe and attach a map, including watercourse and location of any proposed waste deposits)

Bathurst Inlet to Contwoyto Lake.
Please see Project Description attached.

4. DESCRIPTION OF UNDERTAKING (describe and attach plans)

Build and operate a commercial port and toll road.
Please see Project Description attached.

5. TYPE OF UNDERTAKING

☒ Industrial

Mining and Milling

Municipal

Power

Other (describe):

Conservation

Agricultural

Recreation

6. WATER USE

☒ To obtain water

☒ To cross a watercourse

To modify the bed or bank of water

Other (describe):

Flood control

To divert water

To alter the flow of, or store, water

7. WASTE DEPOSIT (quantity, quality, treatment and disposal)

Port (Construction and Operations)

At port potable water will be by desalination; sewage will be treated prior to discharge to land field above Bathurst Inlet; all other water uses will take marine water from Bathurst Inlet.

Road Construction

Road construction will be from 60 person mobile camps with a 16,000 litre per day water demand with sewage treated prior to discharge onto tundra field.

Contwoyto Lake Operations

At Contwoyto Lake, 20 person camp requirements will be an estimated 6,000 litres per day with sewage treated prior to discharge onto tundra field.

8. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name mailing address and location; attach if necessary)

The Project will require the use of Inuit Owned Land and Federal Crown Land. No current and ongoing local or subsistence land uses have been noted in the course of field investigations to date. The Project Description provides locations of known heritage sites along the proposed road alignment.

9. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION

Please see Project Description provided.

10. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

11. STUDIES UNDERTAKEN TO DATE (attach if necessary)

Please see Project Description provided; Project EIS to be submitted that meets requirements of NIRB. Guidelines requested.

12. PROPOSED TIME SCHEDULE

Start Date: September 2005

Completion Date: December 2006

A. J. Keen, P.Eng.

Name (Print)

Project Manager

Title (Print)

Signature



**APPLICATION FOR AUTHORIZATION FOR WORKS OR UNDERTAKINGS AFFECTING FISH HABITAT
DEMANDE D'AUTORISATION POUR DES OUVRAGES OU ENTREPRISES MODIFIANT L'HABITAT DU POISSON**

I, the undersigned, hereby request authorization to carry out the works or undertakings described on this application form. I understand that the approval of this application, if granted, is from the Minister of Fisheries and Oceans standpoint only and does not release me from my obligation to obtain permission from other concerned regulatory agencies.

If an authorization is granted as a result of this application, I hereby agree to carry out all activities relating to the project within the designated time frames and conditions specified in the authorization.

Je soussigné, demande par les présentes l'autorisation d'exploiter les ouvrages ou entreprises décrits dans la formule. Je comprends que l'approbation de cette demande, le cas échéant, porte sur ce qui relève du ministre des Pêches et des Océans et ne me dispense pas d'obtenir la permission d'autres organismes réglementaires concernés.

Si la demande est approuvée, je consens par les présentes à exécuter tous les travaux relatifs à ce projet selon les modalités et dans le laps de temps prescrits dans l'autorisation.

Applicant's Name (Please Print) Bathurst Inlet Port and Road Joint Venture Ltd Nom du requérant (lettres moulées)

Applicant's Business Address c/o Nuna Logistics Adresse d'affaires du requérant

666 Burrard Street, Suite 340

Vancouver, BC V6C 2X8

Applicant's Telephone No./ N° de téléphone du requérant 604 682 4667 Date May 12, 2003

I solemnly declare that the information provided and facts set out in this application are true, complete and correct, and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath. This declaration applies to all material submitted as part of this application.

Je déclare solennellement que les renseignements fournis et les faits énoncés dans cette demande sont véridiques, complets et exacts, et je fais cette déclaration solennelle, la croyant consciencieusement vraie et sachant qu'elle a la même force et le même effet que si elle était faite sous serment. Cette déclaration s'applique à tout document qui est présenté dans le cadre de cette demande.

"A.J.Keen"

Applicant's Signature (and corporate seal)

Signature du requérant (et sceau de la société)

Name of watercourse or waterbody (give coordinates)
Cours d'eau ou plan d'eau (donner les coordonnées) Please see schedule attached

This watercourse is a tributary of (where applicable)
Cours d'eau tributaire de (le cas échéant) Please see schedule attached

Nearest community
Localité la plus proche

County
Comté

Province
Province

Bathurst Inlet

Kitikmeot

Nunavut



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Type of Activity/Genre d'activité

- | | | | |
|--|---|--|---|
| ☒ Bridge
Pont | ☐ Stream Realignment
Alignement de cours d'eau | ☐ Gravel Removal
Enlèvement du gravier | ☒ Stream Traverse
Traversée de cours d'eau |
| ☒ Culvert
Ponceau | ☐ Channelization
Canalisation | ☐ Obstruction Removal - Bypass
Enlèvement ou contournement
d'obstacle | ☐ Seismic Survey
Levé sismique |
| ☐ Dam
Barrage | ☒ Wharf - Break water
Quai - Brise-lames | ☐ Stream Utilization - Recreation
Utilisation récréative du cours d'eau | ☐ Agriculture |
| ☐ Stream Diversion
Dérivation de cours d'eau | ☐ Dewatering
Assèchement | ☐ Erosion Control
Lutte contre l'érosion | ☐ Other (specify)
Autres (préciser) |
| ☐ Mining
Activité minière | ☐ Aquaculture | ☐ Flood Protection
Protection contre les inondations | |

List of Agencies (Federal, Provincial or Municipal) contacted or notified, or who have initiated contact with the applicant.
Liste des organismes (fédéraux, provinciaux ou municipaux) contactés ou qui ont pris contact avec le requérant.

Kitikmeot Inuit Association – Cambridge Bay and Kugluktuk

Indian and Northern Affairs Canada - Iqaluit

Nunavut Water Board – Gjoa Haven

PROVIDE DETAILS OF PROPOSED ACTIVITY INCLUDING REASONS FOR THE PROJECT AND TYPES OF EQUIPMENT TO BE USED
DONNER DES PRÉCISIONS SUR LES TRAVAUX PROJETÉS, Y COMPRIS LA JUSTIFICATION DU PROJET ET
LE TYPE D'ÉQUIPEMENT À UTILISER

Please see Project Description attached.

- the proposed sheet pile wharf and barge dock at the port on Bathurst Inlet will cover approx. 26,000m² near shore ocean floor in Bathurst Inlet;
- water crossings of known fish bearing streams will not encroach on the stream bed. (Table 20).



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SCHEDULE/CALENDRIER

	D/J	M/M	Y/A
Proposed Starting Date Date prévue du début des travaux	<u>01</u>	<u>09</u>	<u>2005</u>
Proposed Completion Date Date prévue de l'achèvement des travaux	<u>31</u>	<u>12</u>	<u>2006</u>

Approximate Timing of Work in shoreline, foreshore, tidal zone, or underwater areas.

Période approximative des travaux sur le rivage et les estrans ainsi que dans les zones à marées et les zones sous-marines.

	D/J	M/M	Y/A		D/J	M/M	Y/A
From/De	<u> </u>	<u> </u>	<u> </u>	To/À	<u> </u>	<u> </u>	<u> </u>

Please see detailed Project Schedule in Appendix 3 of Project Description.

The following documents will assist in assessing your application and help expedite its approval. Please check which documents you have attached.

Les documents suivants faciliteront l'évaluation de votre demande et permettront d'accélérer son approbation. Veuillez cocher les documents vous avez joints à votre demande.

Map indicating location of project	☒	Carte indiquant l'emplacement du projet
Engineering Specifications (preliminary)	☒	Spécifications techniques
Scale Drawings	☒	Dessins à l'échelle
Dimensional Drawings	☒	Plans cotés
Assessment of Existing Fish Habitat Characteristics	☒	Évaluation des caractéristiques existantes de l'habitat du poisson
Assessment of Potential Effects of Project on Fish Habitat	☒	Évaluation des répercussions possibles sur l'habitat du poisson
Measures Proposed to Offset Potential Damage to Fish Habitat	☐	Mesures proposées pour compenser les éventuels dommages à l'habitat du poisson
• to be developed in consultation with DFO and KIA		
Other	☐	Autres

ENVIRONMENTAL ASSESSMENT AND REVIEW PROCESS
CONSIDERATIONS

NOTE: All applications pursuant to section 35 of the Fisheries Act will be assessed in accordance with applicable federal environmental assessment requirements.

CONSIDÉRATIONS CONCERNANT LE PROCESSUS
D'ÉVALUATION ET D'EXAMEN EN MATIÈRE D'ENVIRONNEMENT

REMARQUE : Toute demande en vertu l'article 35 de la Loi sur les pêches sera soumise aux exigences fédérales applicables à l'évaluation environnementale.



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COMPLETE ONLY IF USE OF EXPLOSIVES IS INTENDED
À REMPLIR SEULEMENT EN CAS D'UTILISATION D'EXPLOSIFS

EXPLOSIVES CONTRACTOR (IF DIFFERENT FROM APPLICANT)/RESPONSABLE DES EXPLOSIFS (SI AUTRE QUE LE REQUÉRANT)

Name/Nom : _____

Address/Adresse : _____

Telephone No./N° de téléphone : _____

Anticipated Starting Date Date prévue du début des travaux	D/J	M/M	Y/Y	Completion Date Date d'achèvement	D/J	M/M	Y/Y
	_____	_____	_____		_____	_____	_____

DETAILS OF EXPLOSIVES/PRÉCISIONS SUR LES EXPLOSIFS

Type (including trade name)
Genre (y compris la marque)

Weight and configuration (where applicable)
Poids et forme (le cas échéant)

Weight of individual shots and shot pattern where multiple charges are used
Poids des coups individuels et déploiement des coups, en cas de charges multiples

Detonation depth (in the rock; note also the depth of water, if applicable)
Profondeur de détonation (dans le roc; indiquer aussi la profondeur de l'eau, s'il y a lieu)

Method of detonation
Méthode de détonation

Table 20 Location, watershed, and fish habitat characteristics for water crossings

From Bathurst Inlet to Contwoyto Lake							
Final Road Chainage km	Watershed Area km ²	Habitat Quality Rating*	Estimated Stream Depth Design 1:25 yr m	Estimated Streamflow Design 1:25 yr m ³ /s	Crossing Type/Length		
					Rock Fill	Arch	Bridge
					m	m	m
2.5	66.4	High	0.45	16.38			20
3.0	1.1	Low		0.63	X		
7.7	6.8	Low		2.68		X	
14.3	75.3	Low	0.83	18.09			10
18.7	1.7	Low		0.89	X		
21.5	1143.1	High	0.98	156.68			50
23.2	N/A	Nil		N/A	X		
24.8	0.7	Nil		0.44	X		
25.3	0.5	Nil		0.34	X		
28.5	3.4	Nil		1.55	X		
30.2	N/A	Nil		N/A	X		
31.5	0.3	Nil		0.23		X	
31.8	N/A	Medium		N/A		X	
31.9	42.7	Low	0.35	11.54			30
32.9	60.5	Medium	0.39	15.21			30
33.9	43.0	Medium	0.32	11.60			30
36.3	0.2	Nil		0.16	X		
36.9	0.4	Medium		0.28	X		
37.6	N/A	Nil		N/A	X		
38.6	2.6	Nil		1.25	X		
39.5	N/A	Nil		N/A	X		
40.2	9.5	Medium	0.22	3.50			20
41.5	6.1	Nil		2.46	X		
42.8	2.0	Medium		1.02		X	
45.5	2.5	Nil		1.21	X		
48.0	9.9	Medium		3.62		X	
50.5	46.3	Nil	0.59	12.30			20
52.4	3.6	Nil		1.62	X		
54.0	0.7	Nil		0.44	X		

Final Road Chainage km	Watershed Area km ²	Habitat Quality Rating*	Estimated Stream Depth Design - 1:25 yr m	Estimated Streamflow Design - 1:25 yr m ³ /s	Crossing Type/Length Rock Fill Arch Bridge		
56.8	5.2	Medium		2.17		X	
60.5	0.5	Low		0.34	X		
61.6	0.2	Nil		0.16	X		
66.5	0.5	Nil		0.34	X		
67.5	6.2	High		2.49		X	
67.8	N/A	Medium		N/A		X	
68.2	2.3	Medium		1.14	X		
70.3	39.8	High	0.46	10.91			20
72.2	3.9	Low		1.73	X		
72.4	N/A	Low		N/A	X		
73.2	1.6	Low		0.85	X		
74.0	16.0	High	0.42	5.29			10
75.1	6.3	Low		2.53	X		
76.6	N/A	Nil		N/A	X		
76.7	N/A	Nil		N/A	X		
77.0	0.5	Nil		0.34	X		
78.5	2.4	Low		1.17	X		
79.6	N/A	Nil		N/A	X		
81.7	1.6	Nil		0.85	X		
82.1	81.0	High	0.41	19.17			30
83.0	5.0	Low		2.10	X		
88.2	2.6	Low		1.25	X		
89.1	0.5	Nil		0.34	X		
89.3	1.0	Low		0.59	X		
91.3	2.2	Low		1.10	X		
92.0	4.2	Low		1.83	X		
95.5	4.4	High		1.89	X		
96.8	0.4	Nil		0.28	X		
98.3	1.2	Nil		0.68	X		
100.9	3.9	Low		1.73	X		
101.1	2.6	High		1.25		X	
104.3	13.4	High	0.23	4.60			30
110.8	23.8	Nil	0.34	7.25			20

Final Road Chainage km	Watershed Area km ²	Habitat Quality Rating*	Estimated Stream Depth Design - 1:25 yr m	Estimated Streamflow Design - 1:25 yr m ³ /s	Crossing Type/Length Rock Fill Arch Bridge
111.5	1.4	High	0.14	0.77	20
112.8	18.1	Medium	0.33	5.84	20
115.0	5.0	Low		2.10	X
116.9	1.3	Nil		0.72	X
121.0	0.8	Nil		0.49	X
121.3	1.2	Medium		0.68	X
123.0	23.8	Nil		7.25	X
126.5	1825.6	High	1.70	227.19	60
132.0	71.0	High	0.43	17.27	30
134.1	0.7	Nil		0.44	X
141.8	1.9	Nil		0.98	X
144.0	2.3	Nil		1.14	X
144.9	1.0	Low		0.59	X
147.1	2.7	Nil		1.29	X
149.0	28.8	Nil	0.42	8.44	20
149.8	N/A	Nil		N/A	X
153.0	0.6	Nil		0.39	X
155.7	0.3	Low		0.23	X
156.3	N/A	Nil		N/A	X
156.7	N/A	Nil		N/A	X
157.0	0.7	Low		0.44	X
157.2	0.8	Nil		0.49	X
158.3	15.8	High	0.33	5.24	X
164.0	N/A	Low		N/A	X
165.1	4.2	Medium		1.83	X
165.2	N/A	Medium		N/A	X
165.5	66.9	High	0.26	16.47	60
165.9	N/A	Nil		N/A	X
166.4	0.1	Nil		0.09	X
166.6	0.7	Medium		0.44	X
167.7	13.5	High		4.63	X
170.2	9.8	High		3.59	X
174.1	8.7	Nil		3.26	X
178.2	352.5	High	1.03	61.60	30