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13 August 2003

Serial No.: 0028-ENV

Nunavut Water Board
AUG 20 2003
Public Registry

Mr. Jim Wall
Technical Advisor
Nunavut Water Board
Box 119
Gjoa Haven, NU
X0B 1J0

Dear Mr. Wall:

Subject: Application for Water License for the North Warning System Sites in Nunavut

Attached is an application package for the six North Warning System sites that are subjected to the requirement of a water usage license stipulated by the Nunavut Water Board. We trust the information we have provided is complete.

Should you require additional information regarding this application, please do not hesitate to contact the undersigned at (613) 787-3868 or E-mail: *sam.cheng@nasittuq.com*.

Yours truly,
NASITTUQ CORPORATION

Sam Cheng
Supervisor, Environmental Services

Attachment

Cc: R&CS 3-4-5 (cover letter only)

Nasittuq Corporation, Suite 100, 170 Laurier Avenue W., Ottawa, ON, Canada K1P 5V5
Tel: 613-234-9033 Fax: 613-234-2671
www.nasittuq.com

P.O. Box 119
Gjoa Haven, NU X0E 1J0
Tel: (867) 360-6338
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KATIMAYINGI

kNK5 wmoEp5 vtmpq
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

WATER LICENCE APPLICATION FORM

Application for: (check one)

X New **___ Amendment** **___Renewal** **___Assignment**

LICENCE NO:
(for NWB use only) NWB5FOH

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

North Warning System Office
c/o National Defence Headquaters
101 Colonel By Drive
Ottawa, ON. K1A OK2
Attention: Maj. A. Cameron – R&C 3-4

Phone: *(613) 998-8602*
Fax: *(613 998-9261*
e-mail: *Cameron.AD@forces.gc.ca*

2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

Phone: *Same*
Fax: ___
e-mail: ___

3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)

FOX-M, Hall Beach

Latitude: *68°45' 35" N* Longitude: *81° 11' 41" W* NTS Map No. *N.A.* Scale *N.A.*

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

DND/NWSO Long Range Radar Station

5. TYPE OF UNDERTAKING (A supplementary questionnaire must be submitted with the application for undertakings listed in **"bold"**)

___ Industrial
___ **Mine Development**
___ **Advanced Exploration**
___ **Exploratory Drilling**
X Remote/Tourism Camps
___ **Municipal**
___ Power
___ Other (describe): ___

6. WATER USE

X To obtain water
___ To modify the bed or bank of a watercourse
___ To alter the flow of , or store, water
___ To cross a watercourse
___ To divert a watercourse
___ Flood control
___ Other (describe): _____

7. QUANTITY OF WATER INVOLVED (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

Approximately 2,190,000 liters per year

8. WASTE (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

X Sewage	*tertiary sewage treatment system*
X Solid Waste	*burn in burn bin and landfill*
X Hazardous	*retrograde to licensed disposal facility*
X Bulky Items/Scrap Metal	*stockpile and retrograde*
X Waste oil	*retrograde to licensed disposal facility*
X Greywater	*tertiary sewage treatment system*

___ Sludges
Other (describe):_____

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

Land Use Permit *Not applicable DND property*

DIAND ___ Yes ___ No If no, date expected _____

Regional Inuit Association ___ Yes ___ No If no, date expected _____

Commissioner ___ Yes ___ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

NIRB Screening ___ Yes ___ No If no, date expected _____

Reference: Monenco-Eyretechnics Group. October 1987. Initial environmental Evaluation of the North Warning System Project Eleven long Range Radar Sites and the Short Range Radar Development Site. Volume One.

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

The project will NOT substantially affect the quality, quantity, or flow of water through Inuit Owned Lands.

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

Nasittuq Corporation (NWS Facility Manager)
Suite 100, 170 Laurier Avenue W.
Ottawa, ON K1P 5V5

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

See Box. 10 above

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) **X** Yes ___ No If no, date expected _____

Inuktitut/English Summary of Project **X** Yes ___ No If no, date expected _____

Application fee $30.00 (c/o of Receiver General for Canada) **N.A.**

15. PROPOSED TIME SCHEDULE

___ Annual (or) X Multi Year

Start Date: *1950's* Completion Date: ***TBD***

K.E. KALEN	ENVIRONMENTAL OFFICER - NORTH WARNING SYSTEM		13 FEB. 2005
Name (Print)	**Title (Print)**	**Signature**	**Date**

FOR MAJOR A.O. CAMERON

For Nunavut Water Board use only

APPLICATION FEE **Amount: $**_____ **Receipt No.:**

WATER USE DEPOSIT **Amount: $**_____ **Receipt No.:**

P.O. Box 119
Gjoa Haven, NT X0E 1J0 kNK5 wmoEp5 vtmpq
Tel: (867) 360-6338 NUNAVUT WATER BOARD
Fax: (867) 360-6369 NUNAVUT IMALIRIYIN KATIMAYINGI

EXPLORATION/ REMOTE CAMP SUPPLEMENTARY QUESTIONNAIRE

Applicant: *North Warning System Office* **Licence No:** _____
(For NWB Use Only)

ADMINISTRATIVE INFORMATION

1. Environment Manager: *Mr. Kim Kalen, R&CS 3-4-3C* Tel: *(613)998-8482* Fax: *(613) 998-9261*
   E-mail : *Kalen.KE@forces.gc.ca*

2. Project Manager: *Maj. A. Cameron, R&CS 3-4* Tel: *(613) 998-8602* Fax: *(613) 998-9261*
   E-mail: *Cameron.AD@forces.gc.ca*
3. Does the applicant hold the necessary property rights?
   Yes.
4. Is the applicant an 'operator' for another company (i.e., the holder of the property rights)? If so, please provide letter of authorization.
   Not applicable
5. Duration of the Project
   [ ] Annual
   [X] Multi Year:
   If Multi-Year indicate proposed schedule of on site activities
   Start: *1950's* Completion: *TBD*

CAMP CLASSIFICATION

6. Type of Camp
   [ ] Mobile (self-propelled)
   [ ] Temporary
   [ ] Seasonally Occupied:
   [ ] Permanent
   [X] Other: *National Defence Long Range Radar Station*

7. What are the design population of the camp and the maximum population expected on site at one time? What will be the fluctuations in personnel?
   The premise is manned all year round with an average population of 18 people. Higher occupancy in summer.

8. Provide history of the site if it has been used in the past.
   The station has been manned since 1950's (During both the Distant Early Warning System and the present North Warning System.

CAMP LOCATION

9. Please describe proposed camp location in relation to biogeographical and geomorphological features, and water bodies.

Please refer to FOX-M Site Plans (Serial H-H11/2-8400-101, Serial H-H11/2-8400-102 & Serial H-H11/2-8400-103) in Annex B
Please refer to FOX-M Site Description in Annex A

10. How was the location of the camp selected? Was the site previously used? Was assistance from the Regional Inuit Association Land Manager sought? Include maps and/or aerial photographs.

Based on the National Prime Mission requirements.

11. Is the camp or any aspect of the project located on:

[X] Crown Lands Permit Number (s)/Expiry Date: *Not applicable*
[ ] Commissioners Lands Permit Number (s)/Expiry Date: _____
[ ] Inuit Owned Lands Permit Number (s)/Expiry Date: _____

12. Closest Communities (distance in km):

2 Km south of Hall Beach, Nunavut.

13. Has the proponent notified and consulted the nearby communities and potentially interested parties about the proposed work?

Not applicable

14. Will the project have impacts on traditional water use areas used by the nearby communities? Will the project have impacts on local fish and wildlife habitats?

No.

PURPOSE OF THE CAMP

15. ○ Mining
○ Tourism (hunting, fishing, wildlife observation, adventure/expedition, etc.)
(Omit questions # 16 to 21)
⊗Other *National Prime Mission* (Omit questions # 16 to 22)

16. ○ Preliminary site visit
○ Prospecting
○ Geological mapping
○ Geophysical survey
○ Diamond drilling
○ Reverse circulation drilling
○ Evaluation Drilling/Bulk Sampling (also complete separate questionnaire)
○ Other: _____

17. Type of deposit:
○ Lead Zinc
○ Diamond

- ○ Gold
- ○ Uranium
- ○ Other: _____

DRILLING INFORMATION

18. Drilling Activities

- ○ Land Based drilling
- ○ Drilling on ice

19. Describe what will be done with drill cuttings?

20. Describe what will be done with drill water?

21. List the brand names and constituents of the drill additives to be used? Includes MSDS sheets and provide confirmation that the additives are non-toxic and biodegradable.

22. Will any core testing be done on site? Describe.

SPILL CONTINGENCY PLANNING

23. Does the proponent have a spill contingency plan in place? Please include for review.

The North Warning System/Nasittuq Spill Contingency Plan is attached as Annex C.

24. How many spill kits will be on site and where will they be located?

2 groups of spill kits are available on site; namely fuel spill kit and chemical spill kit.
Please refer to the spill kit storage location(FOX-M) site plans (Serial H-H11/2-8400-103)in Annex D .

25. Please describe the types, quantities, and method of storage of fuel and chemicals on site, and provide MSDS sheets.

Type	Quantity	Storage method	MSDS
Jet A-1	*3,424,984 liters*	*Above-ground storage tank*	*See Annex E*

WATER SUPPLY AND TREATMENT

26. Describe the location of water sources.

See FOX-M Site plans (Serial H-H11/2-8400-101 & Serial H-H11/2-8400-102) in Annex B

27. Estimated demand (in L/day * person):

- ○ Domestic Use: *2,190,000 liters /year* Water Source: *water lake*
- ○ Drilling Units: _____ Water Source: _____
- ○ Other: _____ Water Source: _____

28. Describe water intake for camp operations? Is the water intake equipped with a mesh screen to prevent entrapment of fish? Describe:

Water is piped directly from the water reservoir to a raw water tank. The water intake is equipped with a mesh screen.

29. Will drinking water quality be monitored? What parameters will be analyzed and at what frequency?

Drinking water quality is monitored. Parameters tested are based on the Canadian Drinking Water Criteria and is listed as follows:

Physical and Chemical Parameters:

Alkalinity	*Hardness*	*Phenols*
Ammonia	*Hydrogen sulphide*	*Potassium*
BOD5	*Iron*	*Sodium*
Calcium	*Magnesium*	*Sulphate*
Chloride	*Manganese*	*Tannin and lignin*
Color	*Nitrate*	*Total Dissolved Solids*
Conductivity	*Nitrite*	*Total Kjeddahl Nitrogen (TKN)*
Chemical Oxygen Demand	*PCBs*	*Turbidity*
Fluoride	*pH*	

Bacteriological Parameters

E. coli	*Heterotrophic plate (HPC)*
Fecal streptococci	*Total and Fecal coliform*

30. Will drinking water be treated? How?

Drinking water is treated using the following phases.

Particulates and suspended solids	*filtration (3μ)*
Bacteria/other water borne microbes	*Iodine**
Color and odor	*Charcoal filter*

** Disinfection using UV will replace iodine at FOX-M by the end of 2003*

31. Will water be stored on site?

Yes, water is stored in above ground water storage tanks inside the water storage building.

WASTE TREATMENT AND DISPOSAL

32. Describe the characteristics, quantities, treatment and disposal methods for:

⊗Camp Sewage (blackwater)

Tertiary Sewage Treatment

⊗ Camp Greywater *(e.g., kitchen, showers and washroom sinks)*

Tertiary Sewage Treatment

⊗ Solid Waste

Burnt in a burn bin and the accumulated ash buried at a designated landfill on site.

⊗ Bulky Items/Scrap Metal
Stockpile and retrograde

⊗ Waste Oil/Hazardous Waste
retrograde to licensed disposal facility

⊗ Empty Barrels/Fuel Drums
Re-used for liquid waste

○ Other:

33. Please describe incineration system if used on site. What types of wastes will be incinerated?
Not applicable.

34. Where and how will non-combustible waste be disposed of ? If in a municipality in Nunavut, has authorization been granted?
Retrograde to licensed disposal facility

35. Describe location (relative to water bodies and camp facilities) dimensions and volume, and freeboard for sumps (if applicable).
Not applicable

36. Will leachate monitoring be done? What parameters will be sampled and analyzed, and at what frequency?
Yes, the proposed outfall area will be monitored. Effluent quality will be assessed based on the Guidelines for Effluent Quality and Wastewater Treatment at Federal Establishments. Parameters to be sampled and analysed Will be as follows:

Ammonia Nitrogen	*Magnesium*	*sodium*	*Total Arsenic*
BOD5	*Nitrate-nitrite*	*Total Calcium*	*Total Copper*
Calcium	*Oil and grease*	*Total Chromium*	*Total Iron*
Conductivity	*pH*	*Total Lead*	*Total Mercury*
Fecal Coliform	*Potassium*	*Total Nickel*	*Total Zinc*

The above parameters will be sampled and analysed at every preventive maintenance trip during the snow free seasons.

OPERATION AND MAINTENANCE

37. Have the water supply and waste treatment and disposal methods been used and proven in cold climate? What known O&M problems may occur? What contingency plans are in place?
Yes, the water supply system and similar waste system have been in operation at the station since 1950's.

ABANDONMENT AND RESTORATION

38. Provide a detailed description of progressive and final abandonment and restoration activities at the site.

To be determined.

BASELINE DATA

39. Has or will any baseline information be collected as part of this project? Provide bibliography.

- ○ Physical Environment (Landscape and Terrain, Air, Water, etc.)
- ○ Biological Environment (Vegetation, Wildlife, Birds, Fish and Other Aquatic
- ○ Organisms, etc.)
- ○ Socio-Economic Environment (Archaeology, Land and Resources Use,
- ○ Demographics, Social and Culture Patterns, etc.)
- ○ Other:

Reference: Monenco-Eyretechnics Group. October 1987. Initial Environmental Evaluation of the North Warning System Project Eleven long Range Radar Sites and the Short Range Radar Development Site. Volume One

REGULATORY INFORMATION

40. Do you have a copy of

- ○ Article 13 - Nunavut Land Claims Agreement
- ○ NWB - Water Licensing in Nunavut - Interim Procedures and Information Guide for Applicants
- ○ NWB - Interim Rules of Practice and Procedure for Public Hearings
- ○ NWTWB - Guidelines for the Discharge of Treated Municipal Wastewater in the NWT
- ○ NWTWB - Guidelines for Contingency Planning
- ○ DFO - Freshwater Intake End of Pipe Fish Screen Guideline
- ○ Fisheries Act - s.35
- ○ RWED - Environment Protection- Spill Contingency Regulations
- ○ Canadian Drinking Water Quality Guidelines
- ○ Public Health Act Camp Sanitation Regulations
- ○ Public Health Act Water Supply Regulations
- ○ Territorial Land Use Act and Regulations

You should consult the above document, guidelines, and legislation for compliance with existing regulatory requirements.

Summary of Project
(Inuktitut/English)

North Warning System – Project Summary

The Department of National Defence/North Warning System (NWS) consists of long range and short range radar sites, extending from Yukon across the Arctic and down the Labrador coast, that are operationally connected to the Regional Operations Control Centre (ROCC) in North Bay by a Long-Haul Communications Network (LHCN). Control and support infrastructure for NWS is provided through various locations as described in the following paragraphs.

The NWS has 11 Long Range Radar (LRR) sites, extending from Shingle Point, Yukon to Cartwright, Labrador, that provide high level radar coverage of the North. Nine of these are auxiliary unattended sites. CAM-3, Shepherd Bay, FOX-3, Dewar Lakes, DYE-MAIN, Cape Dyer and BAF-3, Brevoort are the current project locations. These radar stations are unmanned all year round. There are four scheduled maintenance trips to these stations every year. Each of these trips comprises a 4-person crew for a duration of 4 days. Major maintenance projects resulting in a higher occupancy rate at the stations may occur once every 2-3 years. Unplanned corrective maintenance trips to the stations during the year may be required from time to time. However, these trips rarely include overnight stay at the stations.

Two attended main sites, CAM-MAIN, Cambridge Bay and FOX-MAIN, Hall Beach are also subjected to the Nunavut Water License requirement. Both CAM-MAIN and FOX-MAIN also serve as Logistics Support Sites (LSSs) and are staffed by approximately 18 persons. Site facilities consist typically of buildings and their integral mechanical, and electrical systems, power generation systems, fuel tank farm, radar tower, antennas, satellite ground terminals, weather sensor compound, roads, helipad and beach resupply facilities. Both CAM-MAIN and FOX-MAIN have warehousing and workshop facilities and is interconnected with other NWS elements by a longhaul communications system and/or telecommunication landline.

Nasittuq Corp. is an agent for the joint venture between ATCO FRONTEC Corp. and Pan Arctic Inuit Logistics Corp. and has been contracted by the Department of National Defence to operate and maintain the North Warning System since 1988.

ᐅᑭᐅᖅᑕᖅᑐᒥᑦ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᑦ ᐅᓇᑕᖅᑐᒃᓴᓄᑦ - ᖃᓄᐃᓕᐅᕈᑕᐅᔪᑦ ᓇᓗᓇᐃᖅᑕᐅᓯᒪᔪᑦ

ᑲᓇᑕᒥᐅᓄᑦ ᐅᓇᑕᖅᑐᒃᓴᖏᑦ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᖏᑦ ᐋᖅᑭᒃᓯᓯᒪᖕᒪᑕ ᖃᐅᔨᓴᕈᑕᐅᕙᒃᑐᓂᑦ ᐅᖓᓯᒃᑐᓂᑦ ᖃᓂᑦᑐᖅᓯᐅᑎᓂᓪᓗ ᓇᐅᑦᑎᖅᓱᐃᔨᐅᓪᓗᑎᒃ ᐅᓇᑕᕆᐊᖅᑐᖃᓕᕐᓂᖅᐸᑦ ᖃᐅᔨᓴᕈᐃᔾᔪᑕᐅᔪᓐᓇᖅᑐᓄᑦ. ᑕᒪᒃᑯᐊ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᑦ ᐃᓕᔭᐅᓯᒪᔪᑦ ᐅᑭᐅᖅᑕᖅᑐᒥᑦ ᑕᐅᕙᓐᖓᑦ ᔫᑳᓐᒥᑦ, ᓄᓇᕐᓯᐊᒥᑦ, ᓄᓇᕗᒥᑦ, ᑕᐅᕗᖓ ᑎᑭᓪᓗᒍ ᓛᐸᑐᐊᓄᒧᑦ. ᑕᒪᒃᑯᐊᓗ ᖃᐅᔨᒃᑲᖅᓴᕆᔪᑎᑦ ᐊᑕᓪᓗᑎᒃ ᐊᐅᓚᑦᑎᔨᐅᔪᒧᑦ ᑕᐅᕙᓂ ᓄᐊᑦ ᐸᐃᒥᑦ (North Bay), ᐊᓐᑎᐅᕆᐅᒥᑦ. ᑕᐃᓐᓇ ᐊᐅᓚᑦᑎᔨᐅᕕᐅᔪᕐ ᐊᑎᖃᖅᑎᑕᐅᔪᕐ ᐃᒪᓐᓇ "ᐊᕕᒃᑐᖅᓯᒪᔪᓄᑦ ᐊᐅᓚᑕᐅᔪᓄᑦ ᐊᐅᓚᑦᑎᔨ" (Regional Operations Control Centre). ᑕᐃᓐᓇᓗ ᐊᑕᔾᔪᑕᐅᔪᕐ ᐊᐅᓚᑦᑎᕕᖕᒧᑦ ᐊᒻᒪ ᐊᐅᓚᑕᖏᓐᓄᑦ ᐊᖅᖃᖅᑎᑕᐅᒥᓪᓗᓂ "ᐅᖓᓯᒃᑐᖅᓯᐅᑎᓄᑦ ᑐᓴᐅᒪᖃᖅᑕᕈᑎᑦ" (Long-Haul Communications Network – LHCN).

ᑕᐃᒃᑯᐊ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑏᑦ 11-ᓂᒃ ᐅᖓᓯᒃᑐᖅᓯᐅᑎᓄᑦ ᖃᐅᔨᓴᕈᑎᖃᕐᒪᑕ ᑐᓴᖅᓴᕋᐃᔾᔪᑎᓂᒃ ᑕᐅᕙᓂ ᓄᓇᓂᑦ ᑕᐅᕙᓐᖓᑦ ᐱᒋᖓᐊᖅᓗᑎᒃ ᓯᖕᑯ ᓄᕗᐊᓂ (Shingle Point), ᔫᑳᓐᒥᑦ ᑕᐅᕗᖓ ᑎᑭᓪᓗᒍ ᑳᕐᕋᐃᑦ, ᓛᐸᑐᐊᓄᒥ. ᑕᒪᒃᑯᐊ 11-ᖑᔪᑦ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᑦ ᐅᖓᓯᒃᑐᓄᑦ ᖃᐅᔨᓴᕋᐃᒍᑕᐅᕙᔭᓐᓇᖅᑐᓄᑦ ᓴᓇᓯᒪᔪᑦ ᑕᑉᐹᓂ ᐅᑭᐅᖅᑕᖅᑐᒥ ᖁᑦᑎᒃᑐᒥ. 9-ᖑᔪᓪᓗ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑏᑦ ᓇᔪᖅᑕᐅᓯᒪᓐᖏᒃᑲᓗᐊᖅᓗᑎᒃ ᖃᐅᔨᕈᑕᐅᕙᖕᒥᔪᑦ. ᑖᒃᑯᐊᓕ ᐱᓕᕆᔭᐅᓯᒪᔪᑦ ᒫᓐᓇ ᐅᑯᐊᖑᔪᑦ: ᑳᒻ (CAM-3), ᓴᐳᑦ ᑲᖏᖅᓗᐊ, ᕙᒃᓯ-3 (FOX-3), ᑎᕗᐊ ᑕᓯᖏᑦ (Dewar Lakes), ᑕᐃ ᒪᐃᓐ (DYE-MAIN), ᑲᐃᑉ ᑕᐃᔭ (Cape Dyer), ᐊᒻᒪ ᐹᑉ 3 (BAF-3), ᐱᓇᕘᕐᒥᑦ. ᑕᒪᒃᑯᐊ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᑦ ᓇᔪᖅᑕᐅᓯᒪᕙᓐᖏᑦᑐᐃᓐᓇᐅᓪᓗᑎᒃ ᐊᕐᕌᒍᓕᒫᒧᑦ. ᐊᕐᕋᒍᑕᒫᖅ ᓯᑕᒪᐃᖅᓱᖅᑕᐅᓪᓗᑎᒃ ᑕᐃᒃᑯᐊ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᑦ ᐅᐸᒃᑕᐅᖃᑦᑕᖅᑐᑦ ᓴᓇᔭᒃᓴᓇᐊᖅᑕᐅᕙᒃᓗᑎᒃ ᖃᓄᖏᑦᑎᐊᖅᑎᑕᐅᓇᓱᒃᓗᑎᒃ. ᑕᐃᒃᑯᐊ ᓴᓇᔭᒃᓴᓇᐊᖅᑐᖅᐸᒃᑐᑦ ᐃᖅᑲᓇᐃᔭᖅᑎᑦ ᓯᑕᒪᐅᕙᒃᑐᑦ ᐊᒻᒪ ᐅᓪᓗᓂᒃ ᓯᑕᒪᓂᒃ ᐱᓕᕆᕙᒃᓗᑎᒃ. ᐊᕐᕌᒍᓂᑦ ᒪᕐᕉᓂᒃ ᐅᕝᕙᓘᓐᓃᑦ ᐱᖓᓱᑦ ᐊᓂᒍᕐᖓᑕ ᐱᓕᕆᔭᒃᓴᖃᐅᒃᑲᓐᓂᓕᓲᖑᖕᒪᑦ ᐅᐸᒃᑕᐅᒐᔭᓐᓂᖅᓴᐅᓕᓲᖑᔪᑦ ᐋᕐᑭᓱᐃᑦᑎᐊᒃᑲᓐᓂᕋᓱᒃᓗᑎᒃ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᓂᒃ. ᐃᓛᓐᓂᒃᑯᑦ ᓈᒻᒪᒃᓯᓕᖅᓯᒪᔪᖃᕆᐊᖃᖅᐸᑦ ᐊᕐᕌᒍ ᐃᓗᐊᓂ ᑕᐃᒪᑦᑕᐅᖅ ᐅᐸᒃᑕᐅᒃᑲᓐᓂᕆᐊᖃᖅᐸᑕ ᐅᐸᒃᑕᐅᒃᑲᓐᓂᕋᔭᖅᑐᑦ ᐱᓕᕆᐊᖅᑐᖅᑐᓄᑦ ᐊᒻᒪᓗ ᑕᒪᒃᑯᐊᓕ ᐅᓪᓗᐃᓐᓇᕐᒥᑦ ᓇᔪᖅᑕᐅᓚᐅᒃᑲᓐᓂᖏᒃᑯᑦ.

ᒪᕐᕉᒃ ᐅᐸᒃᑕᐅᓯᒪᐃᓐᓇᐅᔭᖅᑐᑦ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑏᑦ, ᑕᐃᑲᓂ ᑳᒻ ᒪᐄᒥ (CAM-MAIN), ᐃᖃᓗᑦᑑᑦᑎᐊᒥᑦ, ᐊᒻᒪᓗ ᕚᒃᓯ ᒪᐄᓐᒥᑦ (FOX-MAIN), ᓴᓂᕋᔭᖕᒥᑦ, ᑖᒃᑯᐊ ᓄᓇᕘᑦ ᐃᒪᕐᒧᑦ ᒪᓕᒐᕆᔭᖓᓐᓄᑦ ᐊᑐᖅᓯᓯᒪᔭᕆᐊᖃᖅᑎᑕᐅᓪᓗᑎᒃ. ᑳᒻ ᒪᐄᓐ (CAM-MAIN) ᐊᒻᒪ ᕚᒃᓯ ᒪᐄᓐ (FOX-MAIN) ᑕᐃᒃᑯᐊ ᑕᒪᕐᒥᒃ ᐱᓕᕆᕐᕕᒻᒪᕆᐅᖕᒪᑕ ᐱᒪᑦᑎᐊᕐᕕᐅᑕᐅᓪᓗᑎᒃ ᐃᑲᔪᖅᓱᐃᕕᐅᑕᐅᓪᓗᑎᒃ ᐊᒻᒪᓗ ᐃᖅᑲᓇᐃᔭᖅᑎᖃᖅᓗᑎᒃ 118 ᖃᓂᒥᔭᖓᓐᓂ. ᑕᐃᒃᑯᐊ ᒪᕐᕉᒃ ᐃᖅᑲᓇᐃᔭᕐᕕᖃᐅᕐᓗᑎᒃ ᐃᓪᓗᕐᔪᐊᓂᒃ, ᖃᐅᒪᖁᑎᒋᔭᖏᓐᓄᑦ, ᐊᐅᓚᐅᑎᕆᔨᖏᓐᓄᑦ, ᐅᖅᓱᖃᕐᕕᖏᒥᓄᑦ, ᓈᓚᒍᑎᕐᔪᐊᖏᓐᓄᑦ ᐳᖅᑐᔪᕐᔪᐊᖏᓐᓄᑦ, ᓯᓚᕐᔪᐊᒨᖅᓯᒪᔪᒧᑦ ᓈᓚᐅᑎᖏᓐᓄᑦ ᒪᓂᖃᐅᓯᕈᑎᖏᓐᓄᑦ, ᐊᓄᕆᓯᓕᕆᔾᔪᑎᕐᔪᐊᖏᓐᓄᑦ, ᐊᖅᑯᑎᖏᓐᓄᑦ, ᒥᑦᑕᕐᕕᖏᓐᓄᑦ ᖁᓕᒥᕉᓕᖕᒧᑦ, ᐊᒻᒪᓗ ᓯᓪᔭᒃᑯᑦ ᐅᓯᖏᔭᕐᕕᖏᑦᑎᒍᑦ. ᑕᒪᕐᒥᓪᓗ ᑳᒻ ᒪᐄᓐ ᐊᒻᒪ ᕚᒃᓯ ᒪᐄᓐ ᓯᕐᓗᐊᖁᑎᕐᔪᐊᖃᖅᓗᑎᒃ ᓴᓇᕐᕕᖃᐅᖅᓗᑎᒃ ᐊᒻᒪᓗ ᐅᐃᒍᓯᒪᓪᓗᑎᒃ ᑕᐃᒃᑯᓄᖕ ᐊᓯᖏᓐᓄᑦ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᓄᑦ ᐊᑐᖅᓗᑎᒃ ᐅᖓᓯᒃᑐᖅᓯᐅᑎᓄᑦ ᓈᓚᐅᑎᓄᑦ ᑕᐅᑑᑎᖏᓐᓄᓪᓗ ᐅᐊᔭᒨᖅᑐᓄᑦ ᐊᒻᒪᓗ ᑐᓴᐅᒪᔾᔪᑎᓄᑦ.

ᓇᓯᑦᑐᖅ ᑯᐊᐸᓃᒃᓴᑦ ᐱᓕᕆᔨᐅᖃᑕᐅᖕᒥᔪᑦ ᑲᑐᔾᔨᖃᑎᒌᒃᑐᓄᑦ ᐃᖅᑲᓇᐃᔭᖃᑎᒌᒍᑕᐅᔪᒧᑦ ᑖᒃᑯᓄᖕ ᐋᑦᑯ ᕗᕌᓐᑕᒃ (ATCO Frontec Corp.) ᐊᒻᒪᓗ ᐹᓐ ᐋᖅᑎᒃ ᐃᓄᐃᑦ ᓛᔨᔅᑎᒃ (Pan Arctic Inuit Logistics Corp.), ᐊᒻᒪᓗᑦᑕᐅᖅ ᓴᓐᓇᔾᔪᑕᐅᓂᐊᖅᑐᓄᑦ ᐊᖏᕈᑎᖃᖅᑎᑕᐅᓪᓗᑎᒃ ᐅᓇᑕᖅᑐᒃᓴᖓᓐᓄᑦ ᑲᓇᑕᒥ. ᑕᐃᒪᓐᓇ ᐱᓕᕆᔨᐅᓕᖃᑎᒌᓕᖅᐳᑦ ᑲᒪᔨᐅᑎᖃᑎᒌᓕᖅᐳᓪᓗ ᑕᒪᒃᑯᓂᖕ ᖃᐅᔨᒃᑲᖅᓴᕆᔾᔪᑎᓂᒃ ᑕᐃᒪᖕᒪᓂ 1988ᒥᑦ.