



5/9/2005

(054N078)

## DISTRIBUTION

Please find enclosed a copy of an application for a *Science Research License* from Sarah Wellman, Knight Picold Ltd..

Sarah Wellman's research is titled "*Baseline Environmental Field Study for the Mary River Project Project Description*" and is proposed to take place from May 30, 2005 to October 31, 2007.

As per the **Scientists' Act** of Nunavut, community consultation is required before a Science Research Licence can be issued. The documentation is provided for your information and review. A ***Reviewer Recommendation Form*** is enclosed for your response by **May 30, 2005**.

Thank you for your continued assistance. Please contact our office if you have any questions or concerns regarding the above.

Jennifer Cockwell  
Manager, Research Liaison

encl.

**cc: Environmental Assessment Screener, NIRB  
Lands Administrator, QIA  
Executive Director, NWB  
Area Manager, DFO  
Director of Wildlife Management, NWMR  
Nunavut Planning Commission, Implementation Coordinator  
Mayor / Hamlet, Pond Inlet  
ITTA Chairperson, Pond Inlet**

P.O. Box 1720, Iqaluit, NU X0A 0H0, Tel: (867) 979-7277, Fax: (867) 979-7109

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**Nunavut Research Institute**  
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**SCIENTIFIC RESEARCH LICENCE APPLICATION**

**(Land, Freshwater & Marine Based Research)**

This application fulfills the requirements for NIRB environmental screening

**SECTION 1: APPLICANT INFORMATION**

**1. Applicant's full name and mailing address:**

Sarah Wellman, P.Eng.  
 Field Supervisor  
 Knight Piesold Ltd.  
 Suite 1400 – 750 West Pender St.  
 Vancouver, B.C. V6C 2T8

On Behalf of: Baffinland Iron Mines Corp.

**Phone:** 604-685-0543

**Fax:** 604-685-0147

**E-mail:**

[swellman@knightpiesold.com](mailto:swellman@knightpiesold.com)

**2. Field Supervisor (address, if different from above):**

**Phone:**

**Sat. phone: will be  
 forwarded at a later  
 date – unknown at this  
 time**

**3. Other Personnel list (name and position):**

Steve Aiken, Project Manager  
 Sarah Wellman, Field Supervisor  
 Chris Brodic, Project Biologist  
 Debra Stokes, Project Biologist  
 Jessica Mackie, Environmental Technician  
 Adam Kohlsmith, Environmental Technician  
 Jana Lung, Environmental Technician  
 Shelley Elverum, Archaeology  
 Richard Cook, Senior Environmental Scientist

Total # of personnel: 10

Total # of person days: 203

**SECTION 2: AUTHORIZATION NEEDED****4. List the organisations you will contact for necessary authorizations associated with the project. (See Appendix A & B):**

Fisheries and Oceans Canada – Fish Sampling  
 Nunavut Impact Review Board – Project proposal information requirements Form 1 →

**5. List the active permits, licences, or rights related to the project and their expiry date:**

1. Water taking and disposal (re: Mary River Camp) NWB2MRY0406 - Type "B"; Term 25 years
2. Inuit Land Use Q04L2C03 10L Parcel P1-17 (expires 31-Dec-2005)
3. INAC Land Use Permit, Class A; N2001C0017 (expires 28 Jun 2006)
4. Land leases (grandfathered under the NLCA).
  - a) No. 2483, issued Aug 27, 1992, expiry Aug 27, 2013, 129.73 ha, Mary River No.4
  - b) No. 2484, issued Aug 27, 1992, expiry Aug 27, 2013, 557.20 ha, Mary River No.1
  - c) No. 2485, issued Aug 27, 1992, expiry Aug 27, 2013, 906.43 ha, Mary River No. 2, 3, 3A.

**SECTION 3: PROJECT PROPOSAL DESCRIPTION****6. Proposed project title:** Baseline Environmental Field Study for Proposed Iron Mine

**7. Project duration:** 30  
 Period of operation: May 27, 2005 to October 31, 2007

**8. Location(s) of data collection:**

- Land Status Types: Crown, Commissioners', Inuit Owned Surface Lands, Inuit Owned Sub-Surface Lands, & Other
- Please ensure that maps of the project area are attached (1:50 000, 1:250 000)

Location Name	Region	Latitude (north)	Longitude (west)	NTS Map sheet #	Land Status
Nuluujaak Mtn. and surrounding area	Baffin Island	71°19'N	79°14'W	47H, 37G, 37F	Staked, surveyed claims (1960s)
Transportation Corridor – along existing road	Baffin Island	71°19'N and to the west	79°14'W and to the west	47H, 37G, 37F	Crown, leased, Inuit Owned
Transportation Corridors – to the south (2 potential)	Baffin Island	71°19'N and to the south	79°14'W and to the south	47H, 37G, 37F	Crown, leased, Inuit Owned

**NON-TECHNICAL PROJECT PROPOSAL SUMMARY**

9. On a separate page, please include a non-technical description of the project proposal, no more than 300 words, in English & Inuktituk (Inuinaktun, if in the Kitikmeot). The project description should outline the project activities (research methods, camps, etc.) and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline. Please see enclosure.

**SECTION 4: MATERIAL USE****10. List equipment (including drills, pumps, aircrafts, etc.):**

Equipment type and number	Size-dimensions	Proposed use
Minnow Traps (20)	2' x 1' each	Juvenile Fish Sampling
Water Sampling Bottles ( )	6 " x 1" each	Water Sampling
Flow Monitoring Equip.	2' x 1'	Water Sampling
Meteorological Station	30' x 30' (built)	Wind Speed/Direction Data Collection
Sediment Sampling Bottles/Bags	6 " x 1" each	Sediment/Soil Sampling
Other Misc. Field Supplies		Safety Gear

**11. Detail fuel and hazardous materials use: N/A**

Fuels	Number of Containers	Capacity of Containers (gal & litres)
• Diesel		
• Gasoline		
• Aviation fuel		
• Propane		
• Other		
Hazardous Materials	Number of Containers/Concentration	Capacity of Containers (gal & litres)
•		
•		
•		

**12. Describe method of fuel transfer: N/A**

13. Describe any procedures and materials in place to handle accidental spills. Please attach the spill contingency plan and other appropriate information about the hazardous materials associated with the proposed project.

N/A

**SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES****14. Describe amount and methods of disposal: N/A**

Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Sewage			
Grey water			
Garbage			
Overburden (organic soil, waste material, tailings)			
Hazardous waste:			
Other:			

**SECTION 6: RESTORATION AND ABANDONMENT PLANS****15. Describe or attach the proposed procedure for site restoration upon abandonment of any area associated with the project:**

N/A

**SECTION 7: ENVIRONMENTAL IMPACT****16. Indicate and describe the components of the environment that are near the project area, as applicable. Attach any relevant maps or information:**

Type of species (common name, associated herd, etc.)	Important Habitat Area (calving, staging, denning, migratory pathways, spawning, nesting, etc.)	Critical time periods (calving, post-calving, spawning, nesting, breeding, etc.)
Example: <i>Narwhal</i>	<i>Ice floe edge in Pond Inlet</i>	<i>June-July, around break-up</i>
Fish:	To Be Determined	To Be Determined
Caribou:	To Be Determined	To Be Determined
Muskox:	To Be Determined	To Be Determined
Raptor:	To Be Determined	To Be Determined
Migratory Birds:	To Be Determined	To Be Determined
Waterfowl:	To Be Determined	To Be Determined
Seals:	To Be Determined	To Be Determined
Whales:	To Be Determined	To Be Determined
Narwhals:	To Be Determined	To Be Determined
Canid family (wolves, wolverines, foxes, etc.)	To Be Determined	To Be Determined

Bears (grizzly, polar, black):	To Be Determined	To Be Determined
Other:	To Be Determined	To Be Determined
Eskers:	To Be Determined	To Be Determined
Communities:	None	
Historical/Archaeological sites:	To Be Determined	To Be Determined

17. Indicate and describe other known uses of the area such as local development, traditional use (hunting/fishing/spiritual), outfitting, tourism, mineral development, research, etc.:

Hunting and Tourism

18. Describe the impacts of the proposed project activity on the environmental components and uses, in the area listed above:

None

19. What are some suggested mitigation measures for these impacts?

N/A

#### SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

20. List the community representatives that you have contacted about this proposed project:

Community	Name	Organisation	Date Contacted	Means	Telephone #	Fax #
Pond Inlet	David Qaminig	Qikiqtani Inuit Association	August 16, 2004	Personal Meeting	(867) 899-8515	(867)899-8516
Pond Inlet	Jayko Alooloo	Nunavut Planning Commission, Hunters and Trappers Assoc.	August 16, 2004	Personal Meeting	(867) 899-8515	(867) 899-8516
Pond Inlet	Shelly Elverum	Private Consultant, Archaeologist	August 16, 2004	Personal Meeting	(867) 899-8504	N/A
Iqaluit	Earl Baterloo	Department of Environmental Protection	August 17, 2004	Personal Meeting	(867) 975-5910	(867) 975-5980

21. Describe the level of involvement that the residents of Nunavut have had with respect to the

**proposed project. Elaborate on local employment opportunity, training programs, contracts, Inuit Impact Benefit Agreements (if applicable):**

Shelly Elverum, Archaeologist, will be approached to participate or conduct the Traditional Use Study

Bear Monitor/Field Assistant will be hired from closest community (if possible)

**22. Describe and attach documentation regarding community concerns or support for the proposed project:**

Not Available

**23. Is there a Traditional Knowledge (TK) component to this research project? If yes, see Appendix C.**

Yes

**24. Check YES ☒ or NO ☐ if you give NRI permission to release the applicants contact information in the Annual Compendium of Research Undertaken in Nunavut, published by the Nunavut Research Institute.**

**Applicant:**

<i>S. Well</i>	<i>Field Supervisor</i>	<i>April 29/05</i>
Signature	Title	Date