

P.O. Box 119 GJOA HAVEN, NU XOE 1JO

Tel: (867) 360-6338 Fax: (867) 360-6369 kNK5 wmoEp5 vtmpq NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYINGI

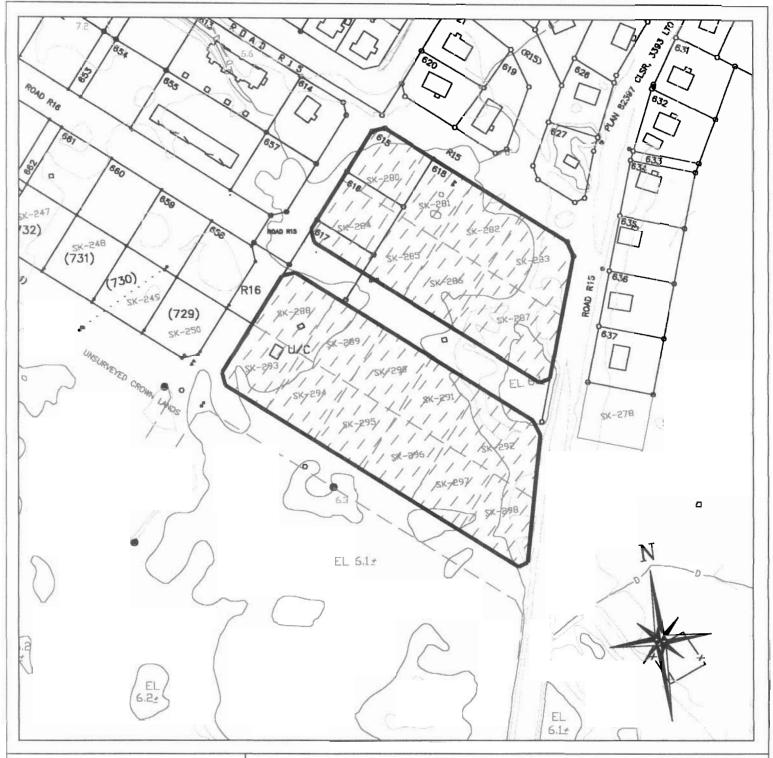
#### WATER LICENCE APPLICATION FORM

Application for: (check one)				
_X_ New Amendmen	ntRenew	val	Assignment	
LICENCE NO: (for NWB use only)				
1. NAME AND MAILING APPLICANT/LICENS) HAMLET OF ARVIAT P.O. BOX 150 ARVIAT, NUNAVUT XOC-OEO  Phone: (867) 857-2841 Fax: (867) 857-2519 e-mail: ronsuluk@attcanada.ca hamletav@attcanada.ca the Undertaking)  SEE ATTACHED SKETO	TAKING (describe and	Phone:Fax: e-mail:	Nunavut Water Board  June 13 03  Public Registry  ographical map, indicating the magnetic street to the magnetic street street to the magnetic street to the magnetic street to the mag	INTERNAL PC DP LA OM TA BS ST
Latitude: 61°06'	Longitude: 94°04'	1	NTS Map No Scale_	
4. DESCRIPTION OF UN RESIDENTIAL SUBDIVI OF PONDS.				GE AND FILL
5. TYPE OF UNDERTAK undertakings listed in "bold")  Industrial Mine Development Advanced Exploration Exploratory Drilling  6. WATER USE	ING (A supplementary of Remote/Tourism X Municipal Power Other (describe):	n Camps	must be submitted with the appli	cation for

To obtain water X To modify the bed or bank of a watercourse X 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 including both quantity to be used and quality to AREA OF POND- 43,630.59 M <sup>2</sup> DEPTH OF POND- 1.2 M deepest point.	s per second, litres per day or cubic metres per year, be returned to source)
Sewage Waste oil Solid Waste Greywater Hazardous Sludges Bulky Items/Scrap Metal Other (describe)  9. PERSONS OR PROPERTIES AFFECTED Is location; attach if necessary)  Land Use Permit COMMISSIONER'S LAND USE PERMIT HAS BEEN SUBMITTED FOR APPROVADIAND Yes _X No  Regional Inuit Association Yes _X No	BY THIS UNDERTAKING (give name, mailing address and  NOT REQUIRED SINCE A SUBDIVISION PLAN
MEASURES (direct, indirect, cumulative impacts, etc.)  NIRB Screening Yes	TS OF UNDERTAKING AND PROPOSED MITIGATION  (A)  (B)  (C)  (C)  (C)  (C)  (C)  (C)  (C
11. INUIT WATER RIGHTS  Will the project or activity substantially affect the qualitand the rights of Inuit under Article 20 of the Nunavut I NO.	ty, quantity, or flow of water flowing through Inuit Owned Lands Land Claims Agreement?

11. (Continued)  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?
12. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)
HAMLET OF ARVIAT P.O. BOX 150 ARVIAT, NUNAVUT
13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)
FISH HABITAT STUDY- TESTING OF WATER AND MITIGATION OF SEDIMENTS FROM DRAINING OF POND. June 15/03
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 No If no, date expected
Application fee \$30.00 (c/o of Receiver General for Canada) _X YesNo If no, date expected
15. PROPOSED TIME SCHEDULE
Annual (or) Multi Year
Start Date: JULY 2003 Completion Date: AUGUST 2003
RONALD SULUK LAND ADPLINES TRAPPIC THE Signature Date  Name (Print) Title (Print) Signature Date
or Nunavut Water Board use only PPLICATION FEE Amount: S Receipt No.:

For Nunavut Water Board use o	nly	
	Amount: \$	Receipt No.:
		Receipt No.:





Hamlet of Arviat Arviat, Nunavut

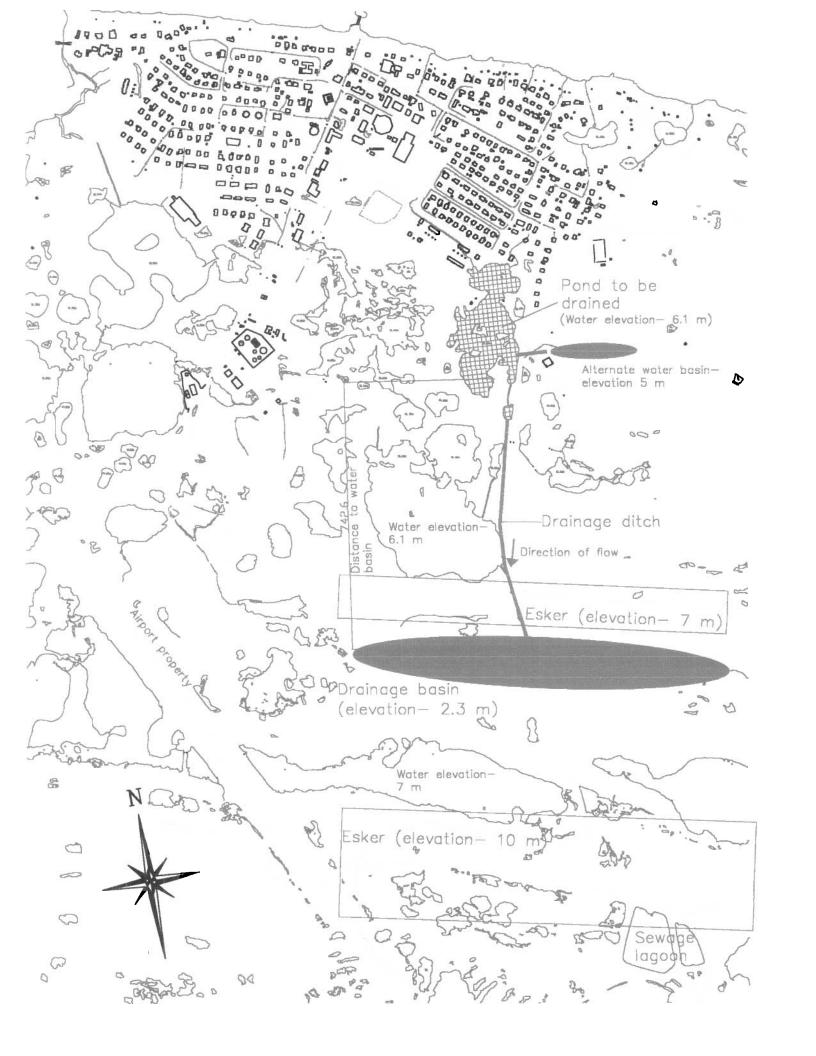
# Proposed new subsivision



Proposed residential subdivision

SCALE 1:2000







Water Licence Application Supplementary Questionnaire for Municipalities

I.	GE	NERAL
	1.	Date: May 20/03
	2.	Applicant: Hamlet of Arvia+  Municipality and Region
	3.	Contacts: Fonald Sulak
		Planning & Land Administrator Position
		(367)857 - 2841 $(867)857 - 2519$ Fax #
	4.	Community Status: Village Town City Hamlet Settlement Corporation
	5.	Indicate the status of the municipality's licence on the date of the application.  New Application Renewal - Water Licence #
I.	ATT	ACHMENTS
	1.	Attach current or up-to-date detailed map(s) showing the locations of the:
		a. raw water intake;
		b. water storage and treatment facilities;
		c. fuel and chemical storage;
		d. sewage treatment facilities (lagoon, honey bag pit, wetland);
		e. wastewater treatment area and discharge outlets;
		f. solid waste disposal areas and drainage patterns;
		g. hazardous waste disposal area;
		h. transportation access routes;
		<ol> <li>existing water bodies/courses and any changes to these water bodies/courses that have or ma occur as a result of water use or waste disposal facilities, locations of environmental monitor sites. (Outline drainage basin);</li> </ol>
		<ol> <li>Traditional use areas outlined on site map and areas around the community used for recreation camping, fishing, etc.</li> </ol>
		k. abandoned and/or restored water treatment, sewage, and solid waste disposal facilities.
		Are mans attached? Ves No

If no, please indicate when they will be available.

III.	WAT	ER SUPPLY					
	Water	Water Source /					
	1.	Type of source:LakeRiverWell _Other					
	2.	Name of water source and alternative, if any.  Secondary Source  Secondary Source					
	3.	Usual break-up & freeze-up period: May / Detoler / Break-up Freeze-up					
	Water	Intake					
	1.	Please provide short descriptions for the following:					
		a. Freshwater intake facility					
		b. Operating capacity of pumps used  c. Intake screen size					
	Water	Storage					
	1.	Type of water storage facility. (check where applicable)  Reservoir/Pond Storage tank None					
		OtherDescription:					
	2.	If "reservoir" checked:					
		Is the reservoir lined? Yes No					
		What type of liner? When was it installed?					

#### Water Treatment

1.	Indicate the quality of	f the water.				
	Sumn	ner:	good	fair	poor	
	Fall:		good	fair	poor	
	Winte	r:	good	fair	poor	
	Spring	g:	good	fair	poor	
2.	Describe.					,
	Pondis Abt Spring-thow. Only	Switable Ker	draking. 1 Keet deep.	Vater come	s from vurolit do	~
	T					
3.	Type of water treatment	ii.				
	Filtration Chlorina None Other	and chlorination tion only	n			
		Descrip	ption			

#### Water Use And Distribution

1. Volume of water use:

Distribution	Estimated number of people on the system	Estimated average water consumption (Litres/capita/day)  B	Total water consumption (Litres/day)
PIPED			
TRUCKED			
		TOTAL	

		Other:	Date:	
2.		re a system in place f Yes No , describe.	-	
3.		re a contingency plan Yes No , describe.	n for clean up of spills?	
4.	If yes	Yes No	on a map the locations of the spills. What action has been	taken to clean the
Moni	-	<b>Program</b> ter sampling and anal	alysis done ?	
		Yes No es, answer the question	ons a to e	
	a.		ow samples are taken and sent to the laboratory.	
	b.	Briefly describe an	ny monitoring done for wastewater effluent and leachate.	
	c.		e for water sampling ?	

	Address:		
	Telephone #:		
	Fax #:		
e. Are any changes plan YesN  If yes, describe.	nned in the water quality monit	oring program?	
Date: May 26/03  Municipality: Arviot  Contact: Robert Char  (Community Government and  Telephone # (869) 857	if you have difficult with this solution of the second Transporation Representative $(867)(45-\frac{34}{34})$	e)	ty
Fax# (867) 645	8/43		
Population (according to mo	ost recent census results): 2	000	
Estimated growth rate over	next 5 years:		
	tion and evaluation been under of the main water bodies in the	taken with respect to the physical, e area?	biological,
If yes, provide a summary of	f program details or site title, a	uthors, cities, and dates:	
Prepared by	<u>Title</u>	Completic	on Date

Name:

IX.

1.

2.

3.

4.

5.

6.

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- details of pond size and elevation;
- b. details of all retaining structures (dimensions, materials of construction, etc.);
- c. details of the drainage basin, and existing and proposed drainage modifications;
- d. details of all decant, siphon mechanisms etc., including sewage treatment facilities;
- e. details regarding direction and path of wastewater flow from the area;
- distance from watercourses and fish bearing waters;
- g. location and construction of liners;
- h. leachate and groundwater collection systems; and
- control structures.
- Attach detailed plan or drawing(s) of the present sewage treatment system. The drawing(s) should include the following:
  - a. details of all retaining structures (dimensions, materials of construction, etc.);
  - b. details of the drainage basin, and existing and proposed drainage modifications;
  - details regarding direction and path of wastewater flow from the area;
  - d. indications of the distance from watercourses and fish bearing waters;
  - e. all sources of seepage presently encountered near these areas, including volumes (m³/day) and directions.
  - f. The volume of seepage flow (m<sup>3</sup> / day); and
  - g. The direction of each flow.

3.	Are drawings for the solid waste disposal area and sewage treatment system attached?  YesNo  If Yes, who has provided them?
	If no, indicate when they will be available.
Hydro 1.	Effects on surface water flow:  Are any stream channels altered?  Is the natural storage or water level of any lake or pond changed?  YesNo  Are there changes in water flow downstream of the project?  YesNo  Is a storage reservoir created in a natural channel?  Yes
No Ti	If yes to any of the above, briefly describe the expected change in flow or storage:  The fond would be drained and filled with grown to coverte new  Idea tra ( Subdivision.
2.	Drainage Area: What is the drainage area?
3.	Channel characteristics: Is the course of any channel changed?  YesNo  If yes, describe measures to maintain stream bed and bank stability.

4.	Will the cross-section of any watercourse be changed? Yes No If yes, describe the change and its effect on the flow capacity of the channel.
Water 1.	Supply What is the rate of withdrawal from the source? m <sup>3</sup> /day.
2.	Is water drawn from the sourceintermittentlycontinuously
<ul><li>3.</li><li>4.</li></ul>	If it is drawn intermittently, during what month(s) is it drawn?  May / June (sping them)  For what period is it drawn (days/weeks/months)?  3-5 week
5.	What is the rate of flow of source (if river) or size (if lake)?
6.	At the intended rate of water usage, describe the effects on the river or lake from which water will be drawn.
Water 1.	Intake Please provide short descriptions of the following: a. freshwater intake facility
b.	operating capacity of the pumps
c.	intake screen size



### HAMLET OF ARVIAT

## P.O. BOX 150 ARVIAT, NUNAVUT XOC-OEO

Phone: (867) 857-2841 Facsimile: (867) 857-2519

May 23, 2003

Nunavut Water Board P.O. Box 119 Gjoa Haven, Nunavut X0E 1J0

RE: Summary of Project: Water license application- Hamlet of Arviat

To Whom It May Concern:

The Hamlet of Arviat is proposing to drain the pond to create new lands for a residential subdivision. Presently, there are not enough lots available for development and might not meet the demands for the couple of years. The area around and on the pond is pretty much the remaining land available for development in the immediate vicinity.

The plan is to drain the pond and fill with gravel to build a new subdivision for residential use. The gravel would need to settle for at least a year to be stable enough for construction.

The first option of drainage is towards the local dumpsite, by upgrading the existing drainage ditch to allow complete drainage of the pond. The other option is to drain across the road onto a dry flatland.

The pond is not deep enough to sustain any fish since it freezes to the bottom and almost dries out in the middle of summer. The water mainly comes from thaw water during spring.



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12 JAC 23, 2003

De 7° DL-27° 6ALPEr° P.O.Box 119 Gjaa Haven, Nunguut X6E 1JO

RE: ALI CALCPIE DOJPA - HAZO DE DE DE

Pe)18291:

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