

DIAND Nunavut District Box 100 Igaluit, NT XOA OHO



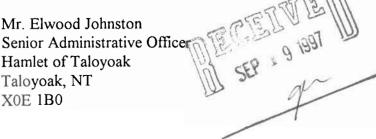
Votre référence

Notre référence

B9545-5-N7L3-1661

September 11, 1997

Mr. Elwood Johnston Senior Administrative Officer Hamlet of Taloyoak Taloyoak, NT



Dear Mr. Johnston;

Water Management Inspection - 14 August, 1997

- Attached for your information is a copy of the inspection report prepared as a result of the water management inspection carried out on the Hamlet of Taloyoak, NT on August 14, 1997.
- There are a number of issues that must be addressed. Specifically, the Hamlet must obtain a water licence. Attached is a 2-page application. There is a supplemental questionnaire that the Nunavut Water Board will ask the Hamlet to complete once they have received the application. As discussed in our post inspection meeting, the supplemental questionnaire is significantly reworked from the one supplied previously by the Board.
- 3. Other operational issues that must be addressed relate to the water and waste disposal facilities.

For the water supply, the following improvements are recommended:

Ū	where the water lake is immediately to the community, a fence and warning signs
	should be placed.

For the solid waste disposal site, the following improvements are recommend:

the dump needs to be fenced;
warning signs should be posted, and;

additional cover material should be placed on the site.



For the sewage disposal site, the following improvements are recommended:

- warning signs should be posted.
- The results of water samples collected will be provided once the analysis has been completed.
- If you have any questions with respect to the inspection report or the water licence application, please do not hesitate to contact this office at the above address or by phone at (819)-979-4405.

Sincerely,

Paul Smith

Water Resources Officer

Pour Sura

Nunavut District

- Nunavut Water Board, Gjoa Haven
 - DIAND Water Resources, YK
 - RMO, DIAND, Kugluktuk
 - MACA, Cambridge Bay (Kojo Kumi)
 - Public Health, YK (Bob Phillips)

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	2. ADDRESS OF HEAD OFFICE IN CANADA IF INCORPORATED		
Phone:	Fax:	Phone: Fax:		
3.	LOCATION OF UNDERTAKING (describe and attach a map, indicating watercourse and location of any proposed waste deposits)			
	Latitude:Longitude:			
4.	DESCRIPTION OF UNDERTAKING (describe and attach plans)			
5.	TYPE OF UNDERTAKING			
	☐ Industrial ☐ Power ☐ Mining and Milling ☐ Conservation ☐ Municipal ☐ Other (describe):	□Agricultural □Recreation		
6.	WATER USE			
	☐ To cross a watercourse ☐	Flood control To divert water To alter the flow of, or store, water		
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.)			
8.	WASTE DEPOSIT (quantity, quality, treatment	and disposal)		

OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)						
10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION						
11. CONTRACTORS AND SUB CONTRACTORS (name, address and functions)						
12. STUDIES UNDER	AKEN TO DA	TE (list and attach copies)				
13. INSURE THE FOLI	LOWING INFO	RMATION IS ALSO INCLUDED				
Land Use Permit	[] Yes [] No	Date Expected				
Supplementary Questionnaire	[] Yes [] No	Date Expected				
Inuktitut Summary of Project	[] Yes [] No	Date Expected				
MAP @ 1:250,000 (with camp, drill sites, etc.)	[] Yes [] No	Date Expected				
14. PROPOSED TIME S	CHEDULE					
Start Date: Completion Date:						
Name (Print) T	itle (Print)	Signature	Date			
APPLICATION FEE Amount: 5 Receipt No.: WATER USE DEPOSIT Amount: S Receipt No.:						

ndian and Northern Affaires indiennes Affairs Canada et du Nord Canada

MUNICIPAL WATER USE INSPECTION FORM

14 August 1997	_ COMPANY REP: Elwood Johnstone (SAO)
	LICENCE #: Un licensed NIL3-1661 assigned
WATER SUPPLY	
Source (s): Water Lake	Quantity Used (to date): 44 m 3/deg
Owner/Operator: Hamus	(estimate or actual)
	lot Applicable
Intake Facilities: A Storage Structure	Treatment Systems A Chem. Storage A
Flow Meas. Device A Convey. Lines	Pumping Stations
Comments:	
WASTE DISPOSAL	
Sewage Treatment System (primary, secon	dary or tertiary) at heart secondary
Natural Water body Co	•
Seasonal Discharge We	etlands Treatment Trench
Solid Waste: Owner/Operator: Hanlet	
Landfill Burn & Landfill _	Note Other
In ate: A Acceptable U Unacceptable N/A - N	
Disch. Quality Decant Structure	
South Association Co. Control Co.	
Disch. Meas. Dev. Nik Dyke Inspection	
Dams, Dykes Preeboard	•
Construcion Note 2 O & M Plan	
Periods of Discharge: Summer Effluent Discharg	e Rate: Unlinguin
Comments:	
FUEL STORAGE Owner (On all things of Tourism
	Operator Condition of Tanks
	Evidence of Leaks:
Drainage Pipes Pump Station and Ca	
Pipeline Condition Not Applicable:	
SURVEILLANCE NETWORK PROGRAM	
Samples Collected: (Hamlet)	A.V.
(DIAND) Kan witer	+ dump leachate.
Signs Posted: SNP N/A	Warning Regiones Conte lake, dump
Record & Reporting PIA	Warning Register School lake, dump + Sewage layour
Geotechnical Inspection:	
Non-Compliance of Act of Licenses Homes Act of	pplied for license
Non compliance of Act of Elderice.	Thires 18 (cenes
	Page 2 attached Yes No
	PAUL SMITH
Licensee Representatives Title	Inspectors Name
Not trailable	- La Quina
Licensee Representatives Signature	Inspectors Signature

Inspection Report

Hamlet of Taloyoak Unlicensed August 14, 1997

Water Supply - The only problem with the water supply is that it is located so close to town. The Northern Stores complex is on the shore of the lake. Consideration should be given to erecting a fence, with appropriate warning signs, to safeguard the supply from wind blown garbage.

The metal storage tank in the truckfill pump house has been replaced with a fibreglass one. The treatment/truckfill station was neat and tidy. The community of 700 people uses ca. 44 m³ of water per day (which is 16,000 m³/year). A water sample was collected from the water lake.

Waste Disposal

Note 1

Solid Waste Disposal - The perimeter of the site is well defined because fence posts are in place and garbage has been pushed to this limit, but no fence has been erected. The garbage is stacked about 4 feet high at the edge. Portions of the dump towards the access road are covered with granular material, but the fan shaped area beyond this area is not. The dump should be both fenced and covered with a layer of granular material. A warning sign is also necessary at the dump. A water sample was collected in the area immediately below the dump.

Waste Metal is reasonably well separated from burnable waste, although because of the 'open' nature of the dump, waste is being deposited along the access road.

Waste Oil is kept in drums (which are stored upright) at the waste disposal site.

Sewage Disposal - With the exception of the bagged sewage disposal area which is nearly full and a lack of warning signs, no other concerns were noted at the this site. Two sewage disposal chutes are well positioned to allow the discharge of sewage under various wind conditions. A new bagged sewage pit should be considered within the next year or so.

Given the large volume and surface area of the twin-lobed pond into which sewage is disposed and the gently sloped and heavily vegetated nature of the discharge route of this pond, sewage treatment is most likely very good in the summer. In the winter, sewage would accumulate within the pond. It is a most acceptable treatment facility.

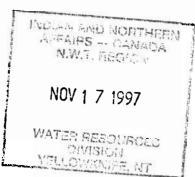
Other - An abandoned waste disposal site was inspected. It was covered with sandy soil. Run-off from the surrounding high ground has resulted in some rutting and erosion which is exposing once buried waste. A number of sink holes were also noted. The area is partially revegetated with grasses, but due to the nature of the cover, plant reestablishment has been limited to relatively few plant species.

End

Taloyoak - August 14, 1997

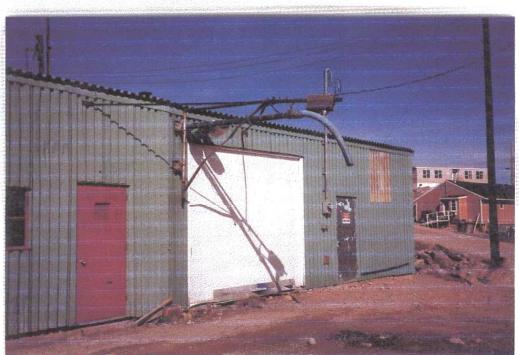
1661 NUB GNUT/MACA

- 1. Pumphouse on water lake.
- 2. Community is immediately adjacent to water lake.
- 3. Truckfill station. Inside building are 2 large fiberglass storage tanks to give emergency supply.
- 4-5. Aerial view of sewage disposal area. "A" is sewage input area. "B" is outflow. Note greenery in photo #5.
- 6. Aerial view of solid waste disposal site. Site also shown in photo #5.
- 7-8. Sewage discharge point. Note 2 chutes to allow for safe discharge in varied wind conditions.
- 9. Bagged sewage disposal area (located at truck disposal area).
- 10-11. 2 views of dump perimeter and location of where a water sample was collected.
- 12-15. Panoramic view of waste metal and solid waste disposal site.
- 16. Waste oil storage.
- 17-18. Abanodoned waste disposal site. Note erosion and materials coming back up to the surface.









Taloquak August 14, 1997







