

Northern Affairs Program  
P.O. Box 2550  
Yellowknife, N.W.T.  
X1A 2R3

Your file    Votre référence

Our file    Notre référence

October 14, 1992

Mr. Guido Tigvareark  
Senior Administrative Officer  
Hamlet of Pelly Bay  
P.O. Box 205  
Pelly Bay, N.W.T. X0E 1K0

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IW  
WB

Dear Mr. Tigvareark:

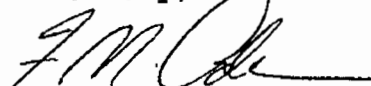
RE: WATER INSPECTION - HAMLET OF PELLY BAY

Enclosed please find a copy of the recently conducted water inspection conducted by Dan Elliott, Water Inspector under the Northern Inland Waters Act. The inspection report itself is self explanatory and no significant concerns are noted. As well, by way of this letter, copies of this report have been forwarded to the Kitikmeot Health Board (attention Mr. Bob Phillips) and MACA of the GNWT.

Again the time taken by yourself and your staff in assisting the Inspector during the course of his inspection is greatly appreciated.

Should you have any questions regarding the matters raised by the report please feel free to contact the undersigned at any time at (403) 920-8487 or the Inspector at (403) 920-8258.

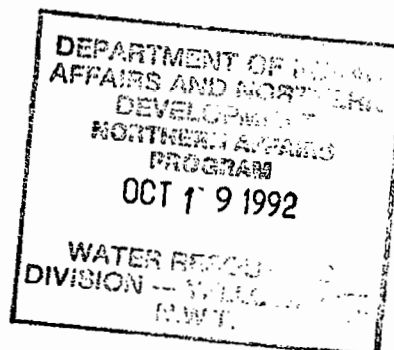
Sincerely,



Floyd Adlem  
Director of Operations  
Northern Affairs Program

encl: Inspection Report

cc: Kitikmeot Health Board  
MACA  
Water Resources



Canada

UNLICENSED WATER INSPECTION

ON THE

HAMLET OF PELLY BAY N.W.T

ON

August 28, 1992

NORTHERN AFFAIRS PROGRAM  
INDIAN AND NORTHERN AFFAIRS CANADA  
RANKIN INLET, N.W.T.

by: Dan Elliott  
Water Resources Officer

## INTRODUCTION

An inspection of the Hamlet of Pelly Bay's water supply, waste disposal operations and fuel storage facilities was conducted on August 28, 1992 by Dan Elliott, Water Resources Officer for the Department of Indian Affairs and Northern Development and Inspector pursuant to the Northern Inland Waters Act. Personnel contacted, representing the Hamlet of Pelly Bay during the inspection include Mr. Guido Tigvareark, Senior Administrative Officer, and Mr. Sam Inaksajak, Acting Foreman.

The Hamlet of Pelly Bay is located on the east side of Pelly Bay approximately 1312 air kilometres northeast of Yellowknife in the Kitikmeot Region. Pelly Bay achieved Hamlet status on April 01, 1972 and is presently an unlicensed community under the Northern Inland Waters Act. The population of the community per the June 1988 GNWT estimates was listed at 327 people.

## INSPECTION

### **A. Water Supply**

The present water supply is located on the Kungarjuk River, upstream of the community. The pumphouse building at the river, houses a standby emergency generator and the water treatment supplies and equipment (Hypochlorinator system using 45 kilogram and 2.5 kilogram pails of calcium hypochlorite). The intake hose, complete with submersible pumps, extend out approximately 10 to 15 metres into the river. All appeared to be neat and tidy. Water is delivered to the residents on a regular basis using two (2) 4 500 litre tank trucks.

### **B. Waste Disposal**

#### **1) LIQUID WASTES**

At present there is only one unit using bagged sewage facilities and it is anticipated that this will no longer be in use by the end of this calendar year. Bagged sewage is disposed of at the solid waste disposal area.

The Hamlet collects an unrecorded amount of pumpout sewage from the residences and facilities in the hamlet and deposits these liquid wastes directly into a bermed area located to the south of the community. The area slopes towards the ocean located approximately 500 metres away. Other than solids separation and the overland "treatment", the liquid wastes receives no treatment (i.e. no secondary treatment). Planning is currently underway by the Municipal and Community Affairs department of GNWT to upgrade the sewage disposal facilities at the community of Pelly Bay.

## **) SOLID WASTES**

Immediately across from the sewage disposal area is the solid waste disposal area. This area had recently been compacted and the materials consolidated just prior to the Inspectors arrival on site. All appeared in order. Larger solid wastes such as scrap metal and vehicles are located away from this site and are sorted as to their original use (i.e. sewage tanks are located with the sewage tanks, old fuel tanks are located with other waste fuel tanks and scrap vehicles are with other vehicles). Garbage is collected on a regular basis with a Hamlet garbage truck and taken to the solid waste disposal area. The compacted solid wastes are covered with granular material once a year. The area was not fenced, but windblown garbage did not appear to be a problem.

### **C. Fuel Storage**

The Hamlet of Pelly Bay has two main storage facilities located within the hamlet boundaries, with the largest operation owned by the GNWT, Government Services Petroleum Products Division and operated by the CO-OP. This facility is located in a well maintained fenced area adjacent to the airport, with all the tanks surrounded by a lined gravel berm. The tanks being utilized contain P-50 Diesel (approximately 1 381 cubic metres) and regular gasoline (approximately 461 cubic metres).

The other fuel storage area is owned by the Northwest Territories Power Commission and is located in an unfenced area near their power generators. Fuel containment consists of approximately 80 cubic metres. This tank is refilled as required by the POL stocks in the community.

### **D. Post Inspection Discussion**

After the inspection was completed a very brief and informal discussion was held to discuss any concerns and questions that arose as a result of the inspection. As well, since this was the first time that the community had been inspected under the auspices of the Northern Inland Waters Act, time was spent to identify the role of the Inspector, the purpose of the inspection and to identify some of the implications associated with licensing under this and subsequent Acts (specifically the Northwest Territories Waters Act).

Discussions ensued respecting plans that the community had regarding the further consolidation and disposal of the larger solid wastes. Apparently the community planned to further organize the larger wastes area and ultimately dispose of totally unusable materials by burial or other forms of waste disposal. As well, they advised the Inspector that MACA was planning an upgrade of the sewage/sanitary waste disposal site as well as the household waste area.

The Inspector greatly appreciates the time, effort and assistance provided by Messrs. Tigvareark and Inaksajak during the course of the inspection.

Dan Elliott

Daniel M. Elliott  
Inspector under the  
Northern Inland Waters Act