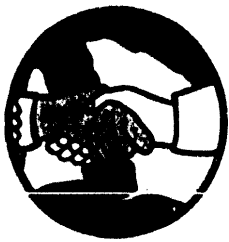


**LEGISLATIVE ASSEMBLY OF THE  
NORTHWEST TERRITORIES  
9<sup>TH</sup> ASSEMBLY, 10<sup>TH</sup> SESSION**

**TABLED DOCUMENT NO. 14-83(1)**

**TABLED ON FEBRUARY 22, 1983**



**MUNICIPALITY OF ARCTIC BAY, N.W.T.**

HL LJ ΔΛΔΓΓ, ΔεΓΔΓ

Arctic Bay, N.W.T.

XOA OAO

Phone: (819) 642-9917

15, February, 1983.

Superintendent,  
Dept. of Local Gov't.  
G.N.W.T.,  
Frobisher Bay, N.W.T.

ADDITIONAL WATER TRUCK! Arctic Bay

In support of our request for an additional water truck I am submitting a list of factors as described below.

1) We do not have a stand-by water truck. The vehicle which was replaced in 1979 had a cracked water tank and both the suspension and engine were in need of repair. Several parts including the engine short block have been taken from the replaced vehicle to repair the existing water truck and keep it operational.

2) There are now 452 Inuit and 27 Kadlunaq (December 1982 figures) in Arctic Bay. This an alarming increase in population in the space of one year. The December 1981<sup>count</sup> gave 406 Inuit with roughly the same number of Kadlunaq.

3) In order to maintain good public health the N.W.T. minimum standards are that each person should have available 10½ gallons of water per day. We therefore should provide roughly 4790 gallons per day or 143,760 gallons per month (using a 30 day month).

4) When road conditions are ideal and the water truck is performing properly in all respects with no 'down time' we are able to deliver approximately 6000 gallons per day (8 hour day). Calculated over a 30 day period this would mean 180,000 gallons or to be more practical 120,000 gallons for a 20 day period (working days).

5) Using the records kept by the water delivery personnel, which we use to assess municipal charges, the average monthly delivery for all units in Arctic Bay for April, May and June of 1982 was 78,634 gallons. For October, November 1982 and January 1983 the average was down to 74,065 gallons. The maximum recorded monthly delivery was 88,278 gallons for April.

6) There are 74 units in Arctic Bay which have a water capacity of 250 gallons or over plus 3 more units which are not

continually used. Likewise there are 9 units with 45 gallon tanks plus 5 more which are used on a some-time basis. In addition the school has approximately 1000 gallon capacity and the new nursing station has 2000 gallons. This represents 18,905 gallons to be filled on a regular basis. The water men try to make at least 2 deliveries a week for the 250 gallon tanks and 3 to the 45 gallon tanks. If we were able to maintain this schedule we would be delivering 167,807 gallons per month plus 3000 gallons to the school and 3000 to the nursing station.

7) At least 3 new houses are scheduled to be constructed this year. (There is a possibility this may increase). Five more units will be retrofitted which means either or both an increase in water capacity (3 more houses to be converted to 250 gallon tank from 45 gallon tank) and a pressure system (all five).

8) Our Fire Truck holds 225 gallons of water which is inadequate to say the least for fighting a sizable fire. Should the water truck be 'down' as it so often is or out of town collecting water (which takes 20 to 30 minutes) during an emergency we would look rather silly without enough water - especially when lives may be at stake.

9) Arctic Bay water men have the furthest to travel to collect water of any community in the Baffin Region. One round trip is 11.5 miles. Arctic Bay also has some of the trickiest terrain and steepest hills to negotiate in order to deliver water in the entire region except for perhaps Lake Harbour.

The prospects of a growing population in Arctic Bay are very good for the near future. There is employment at Nanisivik Mines, Polaris Mines, Panarctic Oils and in the near future with Dome Petroleum which promises to hire people for their Beaufort Sea operations from Arctic Bay. There is also the anticipated re-immersion of the Arctic Pilot Project plus a bid by Consolidex, Magnath and Oakwood to drill in the Lancaster Sound Area. These operations will mean a few more jobs available. When compared with other communities in the Baffin Region Arctic Bay has potentially a healthy future for employment and therefore a stable or rising population.

Our present water truck has suffered from two severe accidents within a couple of years. Reproussions from these are continually being felt apart from the normal wear and tear of the vehicle. In addition there have been two less severe accidents. The result is that we are looking at a vehicle which has and will continue to deteriorate at a rapid rate. We did not believe it would survive this winter. Events during the past two months proved our fears to have been correct. From July 1982 to the end of October we spent \$10,770 in repairs plus an engine overhaul. Since the middle of December

we have spent an additional \$4793 not to mention the several hours of labour especially during the latter period when it was necessary to completely dismantle tree truck engines and two transmissions in order to produce one that works. The above figures include rental charges for the Nanisivik Water Truck which were necessary costs.

As you will note in item 5 above the average amount of water delivered is much lower than either the standard amount or the ideal amount when everything is running smoothly. This is because of time spent on both routine and unexpected maintenance. As implied in the above paragraph it was necessary to rent the Nanisivik Water Truck when we were doing our major overhaul on the engine and the more recent crisis. Without the Mine's assistance we would have been in deep trouble. We can not expect to rent their truck whenever we wish for it was not meant for that purpose. Also in item 5 you will note more gallonage during the spring months than during the winter months. This is largely due to a snow ploughed road on the ice which both shortens the mileage and speeds the turn-around time to collect the water from the water lake. During this period it is possible to deliver up to 8000 gallons per day.

The bottom line of all the information presented above is that our service is woefully inadequate. What is even worse is that the chances of improvement in view of increased population and more housing units etc. are very slim. We could of course hire extra water delivery men for an additional shift or pay the present employees over-time. Unfortunately we are not budgeted for this. The very least in providing a proper service would be to have an operating stand-by water truck for whenever the main vehicle is 'down' for repairs or major routine maintenance. (I have ruled out the idea of a water pipe line since the bugs have not been ironed out of the system designed to be installed in Arctic Bay.) In this fashion we could at least cope and provide a reasonable service even though it will not meet the required minimum N.W.T. standard. In order to meet this standard we will require more money. The consequences of continuing another year without an additional water truck could be very dire indeed.

Yours sincerely,

L. KALLUK  
Levi Kalluk  
Mayor