

## Phyllis Beaulieu

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**From:** Andrew Keim [keima@inac-ainc.gc.ca]  
**Sent:** Thursday, September 11, 2008 7:41 AM  
**To:** Brian McQuarrie  
**Cc:** Bhabesh' 'Roy; MPrice@GOV.NU.CA; Timoon' 'Toonoo; Kevin Buck; Bernie MacIsaac; 'Dionne Filiatrault'; Phyllis Beaulieu  
**Subject:** Re: New Sewage Lagoon Berm Compromised  
**Attachments:** Cape\_Dorset\_Municipal\_Water\_Use\_Inspection\_Form.pdf



Cape\_Dorset\_M  
unicipal\_Water\_Us

Good Morning all,

As per the Municipal inspection conducted on August 16th , 2008 I noted that there were serious issues with the walls of the New Lagoon including;

- in three places around the perimeter of the new lagoon, ground water was entering and pooling within the Lagoon ( to a depth of 3 ft in some places) and a flow was noted exiting the berm from the East side and flowing into the lake adjacent to the lagoon. ( where I understand you are now saying is a "gushing" of water)
- The man-hole or access hatch contained a great deal of water to a depth of no less than 3 ft and in effect was covering the valve controls to the lagoon for decant.
- No thermistors had been installed as per the requirements of the license and commitments made during the public hearing.
- The access road, although not an issue for the Lagoon .. is an issue for the inspector has it was noted to have washed out in places and water was noted to have over topped the road at locations where culverts had been installed to prevent this occurrence.
- additionally, the flooding of the lower borrow/ sand area is a result of water being channeled to that location via the installed culverts.
- As per the inspection conducted on August 16th, 2008. The Municipality was very clear that to date they had not taken ownership nor control of the facility and in fact the issued Water License strictly prohibits the commissioning of this facility until such time as the required work ( including installation of the Thermistors to monitor freeze back of the berm walls) is completed.

Given the above I see no recourse for the Municipality but to address the deficiencies noted during the inspection of August 16th 2008, in the three tier lagoon system. This must be done to prevent a failure of cell three and to ensure that the municipality has sufficient capacity in the lagoon for winter months.

As noted in the Water License inspection form completed on August 16th 2008 an Inspector's Direction to address the above will be issued.

I have included a copy of the Cape Dorset Municipal water use inspection form completed on the 16th of August below for the review of the group and suggest that in light of these recent developments the GN should immediately take the necessary steps to prevent a complete failure of the integrity of the Lagoon wall.

I am open meeting on this topic either in person or via conference call at the first opportunity.

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>>> "Brian McQuarrie" <muncdcfo@capedorset.ca> 9/10/2008 4:58 PM >>>  
Hi Andrew:

On the area on the new sewage lagoon berm where it was seeping when you visited the site with Steve Weedmark, it is now gushing out of there at a great velocity. Thank heavens there is no raw sewage in there.

This has been brought to Matthew Price's attention at CGS, whom photographed the site this afternoon.

This e-mail is being sent to Timoon Toonoo, Matt Price, Bhabesh Roy and the Nunavut Water Board.

This is getting serious along with all the other compliance difficulties.

Any other suggestions?

Brian McQuarrie

Director, Finance and Personnel

Municipality of Cape Dorset