

**Adopted on March 19, 2009**

## BOWEN ISLAND MUNICIPALITY

Minutes of the **Regular Snug Cove Sewer System Local Management Committee Meeting** held on Wednesday, July 16, 2008 at 10:30 a.m. in the Council Chambers of the Bowen Island Municipal Hall, 981 Artisan Lane, Bowen Island, British Columbia.

### COMMITTEE IN ATTENDANCE

Rondy Dike  
Wolfgang Duntz  
Jacqui Snedker-Parker

### REGRETS

Ron Stange

### COUNCIL IN ATTENDANCE

Councillor Peter Frinton

### STAFF IN ATTENDANCE

Joanne Cunday, Director of Finance  
Wil Hilsen, Acting Public Works Manager - Engineering  
Bob Robinson, Acting Public Works Manager - Operations

### OTHERS IN ATTENDANCE

Rolf Loker\*, ECOfluid  
Gayle Ferguson  
(\* denotes partial attendance)

### CALL TO ORDER

The Chair called the meeting to order at 10:35 a.m.

### ADOPTION OF AGENDA

#### **It was Moved and Seconded**

That the agenda for the Snug Cove Sewer System Local Management Committee July 16, 2008 meeting be approved.  
CARRIED

### ADOPTION OF MINUTES

#### **It was Moved and Seconded**

That the minutes of the regular meeting of the Snug Cove Sewer System Local Management Committee held April 2, 2008 be adopted as amended:

Page 1, 2008 add as 1<sup>st</sup> bullet “ *parcel taxes for debt are reduced*”

Page 1, 2008 add as 2<sup>nd</sup> bullet “*expected increase in costs resulting in \$14,000 in user fees*”

Page 1, 2008 4<sup>th</sup> bullet to follow the above new bullets and delete “*operations parcel tax user rates increasing 15%.*”

CARRIED

### REPORTS

Council Liaison Report re:  
Upgrade of the Sewage  
Treatment Plant

Councillor Frinton reported on the following:

- At Council’s Monday, July 14, 2008 meeting the Acting Public Works Manager presented his report regarding the

upgrade of the system and due to time constraints Council approved a motion regarding the expansion of the sewage treatment plant. This motion is presented to the Committee for review;

- Densification in the Cove is to be funded solely through some mechanism to transfer costs to new lands – latecomer fees or DCCs.

The Committee discussed the following issues:

- “Tripling capacity” – *Wil: there are 218 users in the sewer system that are presently serviced or will be serviced. Tripling capacity will take into account the operation and design of the present system (High BOD, low flow);*
- Design capacity – *Wil: we are finding the flows are less than expected and biological demands higher so we will calibrate the system based on those results. Rolf: Tripling of the plant would reflect more tripling of the BOD load. We have enough history to calculate the flows;*
- Maximizing the treatment plant area – there is a limited area and that should be part of the study to maximize the area we have to use. *Wil: ECOfluid is waiting on a decision as to whether we double or triple and can show us a footprint of a triple capacity plant;*
- Expansion costs – *Director of Finance: it is the Sewer District that will be undertaking the project with the Municipality financing the project by lending the Sewer District the funds. Recovery will be through latecomers or DCCs.*

### **It was Moved and Seconded**

The Snug Cove Sewer System Local Management Committee has reviewed the motion passed by Council at July 14, 2008 Council meeting, and supports the motion as amended:

*“Whereas the Acting Public Works Manager – Engineering has reviewed previous studies completed by ECOfluid and by the Municipality; and*

*Whereas the Acting Public Works Manager – Engineering has corresponded with the project manager for ECOfluid and has provided recommendations,*

*Be it resolved that staff be directed to work with the consultants to complete the design build Phase 1 study for a plant that is triple the existing capacity”, and*

That those consultants calculate the residual capacity for

expansion on the treatment plant site.

CARRIED

Public Works Coordinator re:  
Sludge Thickening

Bob Robinson, Public Works Coordinator reported on research completed for a sludge thickener, recommended by the former Director of Operations & Engineering. He noted that the smallest one is overkill at a cost of \$100,000.

The Chair suggested that staff pursue obtaining a used sludge thickener.

Report from Wil Hilsen to  
Bryan Kirk re: Sewage Capacity  
for a floating structure in Snug  
Cove Marina

Rondy Dike declared a conflict of interest as Chair and Wolfgang became the Acting Chair for the discussion of the sewage capacity for the proposed floating structure in Snug Cove Marina.

Councillor Frinton noted that Council was looking for information that would benefit the Public Hearing for the Proposed Floating Structure in Snug Cove Marina Rezoning Application on July 21, 2008.

The Acting Public Works Manager reviewed his report regarding the sewage capacity for a floating structure in Snug Cove Marina. He commented on the following issues:

- BOD levels exceeded in 2005. In 2006 plant was operating in excess of its design capacity;
- Rezoning Application Union Steamship Marina – increase in demand on the sewer system – likely be a shift in usage rather than an increase;
- Service to the additional suite is considered an expansion of the existing use. Such expansion of use should be considered by this Committee;
- Biggest issue is the new pump out facility, which could put a demand on system beyond its capacity. Volumes to be used by the pump-out system are unknown;
- Recommendation is that the pump-out facility be deferred until such time as the treatment plant is upgraded to a greater capacity.

In response to the query from the Public Works Manager regarding the effect of high BOD loading, Rolf Loker, ECOfluid noted that if overloaded for long periods of time with not enough air there would be foaming, scum, which would affect the effluent quality. Presently effluent is good but in summer there is twice the loading than in winter and BOD in summer can be very high.

Rondy Dike provided the Committee with correspondence regarding sewage flow rates and Marina usage. He commented on the following:

- The Marina was the reason for the sewer treatment plant;
- Fisheries and Oceans approval for the sewer;
- Pump out system – holding tanks are not pumped out in Marina. Sailboats are only ones processed. This year 3 or 4 handled by hand pump.

Discussion followed resulting in the following motion:

**It was Moved and Seconded**

That the Snug Cove Sewer System Local Management Committee has no concerns with the additional public toilets/showers facilities and the toilet/shower/sink facilities for the security residence on the proposed floating structure, but does have concerns with the pump-out facility and supports the Public Works Department's recommendation that the pump-out facility not be allowed to operate until such time as the treatment plant has been upgraded to a greater capacity; and

That the Committee has had an opportunity to develop regulations regarding accepting boat sewage into the Treatment Plant as well as cost recovery and/or billing mechanisms.

CARRIED

Reports from ECOfluid dated March 31, 2008, April 28, 2008, May 23, 2008, June 27, 2008

The Committee received for information from ECOfluid reports dated March 31, 2008, April 28, 2008, May 23, 2008, June 27, 2008.

**NEW BUSINESS**

Densification of the Cove

The Chair reviewed the various changes in use from residential to commercial use that have taken place in Snug Cove.

Councillor Frinton noted that there are unexpected increases due to changes in use from residential to commercial/residential. The Municipality is trying to adapt the sewer system to the reality of densifying the village and is the rationale for tripling the capacity.

It was noted that once money is spent for an expanded plant, it would be of little or no benefit unless there is an expanded collection system. The Committee has discussed the need for this expansion for years and recommends that Council consider the areas requiring an expanded collection system.

Councillor Frinton believed more consideration was needed on a collection system. He suggested a workshop on the issue of costs and who pays for such a collection system /infrastructure system.

Next Meeting

The Acting Public Works Manager noted that when the engineers had provided a timeline and a report has been completed, the next meeting of the Committee would be set up to review the information.

**ADJOURNMENT**

The meeting adjourned at 12:30 p.m.