



**BEDFORD WATERSHED ADVISORY BOARD**  
**Wednesday, September 21, 2005**  
**Minutes**

- PRESENT:** Mr. Don Lowther, Chair  
Mr. Lawrence White, Vice Chair  
Deputy Mayor Len Goucher  
Mr. Rick Hattin  
Ms. Elaine Loney  
Dr. Sankar Ray  
Mr. Cedric Pilkington  
Mr. Lem Murphy  
Mr. Kevin Dean  
Ms. Kate Hadden
- STAFF:** Ms. Deborah Gillis  
Dr. Tony Bluin, Manager, Environmental Performance (Water)  
Mr. Angus Schaffenburg, Planner II  
Ms. Thea Langille-Hanna, Planner II  
Ms. Stephanie Parsons, Legislative Assistant
- OTHERS:** Mr. Rick Scott, Center for Water Resource Studies  
Mr. Mike Laycock, Annapolis Group

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**1. CALL TO ORDER**

The Chair called the meeting to order at 7:02 p.m.

**2. APPROVAL OF MINUTES - June 8, 2005**

**MOVED BY Ms. Elaine Loney, seconded by Ms. Kate Haden , that the minutes of June 8, 2005 be approved. MOTION PUT AND PASSED UNANIMOUSLY.**

**3. APPROVAL OF AGENDA, ADDITIONS AND DELETIONS**

Move:           Item 8.1.3 to be the first order of business  
                  Item 8.1.2 to be the second order of business  
                  Item 8.1.1 to be the third order of business

**MOVED by Mr. Lem Murphy, seconded by Ms. Deborah Gillis, that the agenda be approved as amended. MOTION PUT AND PASSED UNANIMOUSLY.**

**8.1.3 HRM Lake Sampling Program**

- A document entitled HRM water Quality Program was circulated to the Committee for discussion.

Dr. Tony Blouin advised the Committee that the criteria for choosing the 50 lakes to be sampled are as follows:

- lakes at or near mesotrophic thresholds
- lakes at or near eutrophic thresholds
- development pressure within watersheds
- public interest
- downstream of HRM infrastructures
- heavily impacted or un-impacted
- formal recreational use

The lakes will be sampled four times a year. HRM will not be testing lakes that are already being sampled by the Bedford Watershed Advisory Committee and developers under development agreements.

In response to questions from the Committee Dr. Blouin advised that:

- the total PH numbers are not current
- staff will ensure that the lakes that the Committee has identified as a priority will be included on the list
- the purpose of the testing is to establish a consistent baseline of historical data in order to assess the impact of future development and to improve current practices
- HRM intends to have a long term operating program that will continue as long as it is

necessary and useful

Mr. Pilkington advised the Chair that AMEC will be providing three additional readings. Committee Members raised concern regarding the amount of investment that has been allocated to sample 50. It was suggested that in the event of budget restraints that rather than reduce the number of lakes to be sampled that staff reduce the sampling period.

### **8.1.2 Water Testing Results - Bedford West Secondary Planning Strategy**

- A copy of the water testing results from May to August were previously circulated to the committee for review.
- A copy of the Water Quality Survey by Porter Dillon 1994-94 was circulated to the committee.
- A revised copy of the Bedford West Planning Area Water Quality Monitoring Program was before the committee for consideration.

Mr. Rick Scott, Center for Water Resources Studies (CWRS), advised the Committee of the following:

- The sampling program began in late May. The intent is to conduct monthly sampling for at least one completed year. Four months of sampling at Kearney Lake and Papermill Lake have been completed.
- The lower basin of Kearney Lake sounded and a bathymetric map was produced. However, more information is required for accurate volume weighting of the water sample.
- The field measurements include air temperature, cloud cover and secchi disk.
- Maxaam is conducting the lab analyses with CWRS. Maxaam is conducting the RCap-ms and RCap-30 test while CWRS is conducting the total phosphorus and chlorophyl analysis.
- Maxaam is also conducting the bacteria test. Historically, fecal was used as indicator. However, the trend is moving to ecoli testing. He further advised that the upper threshold for ecoli is 200 ml.

Some observations have been made:

- All lake stations with the exception of shallow Papermill Lake Station 2 are thermally stratified.
- Anoxic conditions developed for Kearney Lake Station 2 and Papermill Lake.
- Comparison to survey results from 1994-1995 and 2005 indicate that sodium and

chloride concentrations in Kearney Lake and Papermill Lakes has increased, likely due to road salt being applied in the Bayers Lake Business Park and Clayton Park watershed areas.

In reference to the Porter Dillon report 1994-1995, he advised that a volume weighted average was used to represent one sample. This was based on a representation of one meter of water. The entire lake represents 20 percent of the total volume. Compared to the 2005 data there is little change.

In response to Deputy Mayor Goucher he advised that Environment Canada has declared salt a hazardous material. NS Department of Environment and Labour is currently reviewing their policies.

The Committee raised concern about the ability to identify a trigger from the amount of information that is circulated. It was suggested that a summary be provided or a macro be included in the spreadsheet to identify the trigger.

Ms. Thea Langille-Hanna advised the Committee that their suggestions have been incorporated into the Bedford West Planning Area Water Quality Monitoring Program. She requested that the Committee review the document and add it to the next agenda.

#### **8.1.1 Public Participation Committee**

- A memorandum dated July 13, 2005 from Thea Langille-Hanna, Planner II was submitted.

Ms. Langille-Hanna explained that North West Community Council approved the formation of the Public Participation Committee to review and comment on an application to amend the development agreement for the Paper Mill Lake Residential Comprehensive Development District. She added that the Committee is to consist of three representatives from the adjacent residential area; two representatives from the Bedford Waters Advisory Board, and two representatives from the Northwest Planning Advisory Committee.

The Chair asked for volunteers. Mr. Kevin Dean and the Chair, were selected to represent Bedford Watershed Advisory Board on the North West Planning Advisory Committee.

### **4. BUSINESS ARISING OUT OF THE MINUTES/STATUS SHEET ITEMS**

#### **4.1 Status Sheet**

**4.1.1 Infilling of Moirs Pond** - No discussion.

#### **4.1.2 Kearney/Quarry/Paper Mill Dams**

Mr. Mike Laycock, Annapolis Group advised that the Quarry Dam upgrade is on schedule.

In response to questions from the Committee he advised that:

- the road is not a full thoroughfare
- vandalism and littering are issues

#### **4.1.3 Paper Mill Lake: Watershed Water Quality Monitoring Program**

Mr. Cedric Pilkington advised the Committee that AMEC has agreed to do additional testing.

Deputy Mayor Goucher advised that AMEC has provided the results of the testing and requested that the Legislative Assistant forward a copy to the members.

The Chair requested that the subcommittee schedule a meeting to review the results.

Mr. Pilkington further advised that AMEC and the QEII will not be testing Paper Mill Lake and Kearney Lake as there are developers who are doing the testing.

Mr. Rick Scott requested a copy of the AMEC results.

#### **4.1.4 Storm Water Management: Union Street Area**

Deputy Mayor Goucher advised that Porter Dillon will be completing the study and that a report should be available in October.

#### **4.1.5 Paper Mill Run**

Mr. Scott advised remediation for the first section of the dam is being done to ensure that there is minimal impact during construction.

In response to Ms. Loney, Mr. Laycock advised that the Kearney Lake Dam will be completed in 2006 and Papermill Lake Dam should be completed by 2007.

#### **4.1.6 Stormceptors**

Mr. Angus Schaffenburg advised that the stormceptors were inspected during the spring. The stormceptors on Oceanview Drive had to be cleaned as there was some silt found. He further advised that there was a cross connection between the sanitary and stormwater system. T

The Committee raised concern regarding the cross connections. Mr. Schaffenburg reassured the Committee that cross connections do not occur often and are corrected immediately.

5. **CONSIDERATION OF DEFERRED BUSINESS** - None

6. **CORRESPONDENCE, PETITIONS AND DELEGATIONS** - None

7. **REPORTS**

**7.1 SUBCOMMITTEE REPORTS**

**7.1.1 Water Quality Inventory Committee** - See item 8.1.2 page 4

**7.1.2 Paper Mill Lake Advisory Committee** - No discussion.

**8. ADDED ITEMS/NEW BUSINESS**

**8.1 New Business**

**8.1.1 Public Participation Committee** - See page 5

**8.1.2 Bedford West Secondary Planning Strategy** - See page 4

**8.1.3 HRM Lake Sampling Program** - See page 3

**8.2 Added items**

Mr. Rick Hattin commented that HRM appoints a member to the Halifax Port Authority he suggested that a watershed advisory board member would be a suitable representative.

Deputy Mayor Goucher advised that the Membership Selection Committee makes the appointments to Committees. The Committee can make a recommendation to the Membership Selection Committee, and include the rationale as to why the Bedford Watershed Advisory Board is interested in serving on the Halifax Port Authority Committee.

**9. NEXT MEETING** - October 12, 2005

**10. ADJOURNMENT**

The meeting adjourned at 8:57 p.m.

Stephanie Parsons  
Legislative Assistant