



## Source Protection Committee

Wednesday, April 30, 2008

9:00 a.m. to 1:00 p.m.

Holmesville Community Centre, Holmesville

### MEMBERS PRESENT

Keith Black, Ian Brebner, Larry Brown, Gib Dow, Karen Galbraith, Al Hamilton, Don Jones, Mike McElhone, Marilyn Miltenburg, Matt Pearson, Gerry Rupke, Mert Schneider

### LIAISONS PRESENT

MOE Liaison Jennifer Arthur; Kettle and Stony Point First Nation Liaison Bob Bresette; Source Protection Authority Liaison Jim Ginn; Walpole Island First Nation Liaison Kennon Johnson

### WITH REGRETS

SPC Members Jim Nelemans, Bill Rowat, Mike Strang, Rowena Wallace; Health Liaison Bob Worsell

### DWSP STAFF PRESENT

Sue Brocklebank, Cathie Brown, Tim Cumming, Darrell Innes, Chris Van Esbroeck

### OTHERS PRESENT

Brian Luinstra, Hydrogeologist, Luinstra Earth Sciences  
John Langan and Brandy Harris, Stantec  
Fiona Duckett, Baird & Associates

### CALL TO ORDER

Larry Brown, Chair of the Source Protection Committee, called the meeting to order at 9:15 a.m.

### AGENDA

**MOTION #SPC: 2008-04-01**

Moved by Gerry Rupke  
Seconded by Don Jones

**That the agenda be approved as circulated.**

Carried by Consensus.

MINUTES FROM MARCH 26, 2008

**MOTION #SPC: 2008-04-02**

Moved by Marilyn Miltenburg  
Seconded by Matt Pearson

**That the minutes from March 26, 2008 be approved as circulated, with amendment.**

Carried by Consensus.

Change page 5, paragraph 6, last sentence to "Many septic systems can be upgraded without significant cost."

DECLARATION OF PECUNIARY INTEREST

None

DRAFT PROPOSED TERMS OF REFERENCE (ToR)

The Draft Proposed ToR has received some corrections from municipalities throughout April. Some systems are planned to be decommissioned but there has only been limited interest in one municipality to use the matrix to determine if elevation is necessary. A correction on the Draft Proposed ToR was noted by the SPC – the Municipality North Huron is operating their own water systems and they are no longer use Veolia Water Canada.

**MOTION #SPC: 2008-04-03**

Moved by Ian Brebner  
Seconded by Gerry Rupke

**That the Draft Proposed Terms of Reference dated April 24, 2008, be approved for public consultation.**

Carried by Consensus.

With the Draft Proposed ToR approved, a notice will appear in the local newspapers on Wednesday May 7<sup>th</sup> to begin the formal public consultation. A copy of the Draft Proposed ToR will appear on the internet, and also be available in hard-copy at several locations beginning on this date. The public comment period will last 35 days from May 7<sup>th</sup> to June 10<sup>th</sup>. Following the next SPC meeting in May, the formal public meeting on the Draft Proposed ToR will be held. As well, there will be three open houses prior to the formal public meeting. Open houses will be held in the North, Middle and South sections of the SP Region.

PORT BLAKE INTAKE PRESENTATION

John Langan, Project Manger, and Brandy Harris, both from Stantec, gave a presentation on the vulnerability analysis, also known as MOE guidance module 4, of the Port Blake intake (Lake Huron Primary Water Supply System). The IPZ-1 was delineated through MOE guidance and established at a 1 km radius. The IPZ-2 was based on a 2 hour time of travel which was determined to be the amount of time required by water operators to shut down the system in case of an emergency. The delineation of the IPZ-2 used a model of reverse

particle tracking with inputs of 10 year wind and wave events. Preferential pathways, drains, sewers and full bank flow conditions (2 year storm event) were taken into consideration for the model. With the release of the MOE Threats database, work will continue on module 5 (issues evaluation and threats inventory) and module 6 (water quality risk assessment).

#### GODERICH INTAKE PRESENTATION

Fiona Duckett, a Coastal Engineer with Baird & Associates, presented the vulnerability analysis of the Goderich intake (module 4). Baird's work indicates that, although there is a predominant north-west wind in Lake Huron, the wind causes a circulation pattern in the lake and the currents at Goderich came from the south. Currents can vary both spatially and through the water column. The IPZ-1 was modified slightly from the 1 km radius to include the Goderich Sewage Treatment Plant to the south and the whole of the Maitland River to the north. The IPZ-2 for Goderich was also delineated using reverse particle tracking. The 2 hour TOT model was run on a 10 year storm event from eight compass directions.

#### TIER 1 WATER BUDGET UPDATE (*Brian Luinstra*)

A water budget peer review meeting was held on April 28, 2008. The Tier 1 water budget is now complete and will be presented to the SPC at the May meeting. As a result of running monthly numbers, stress has been triggered in two subwatersheds which will require a Tier 2 analysis. The two subwatersheds are the Gullies between Goderich and Bayfield and the Bayfield River itself. What is driving the stress here is one very large water taker in the Gullies area (the evaporation plant) and the density of municipal wells near the Bayfield River. It is not anticipated that any stress will be triggered beyond the Tier 2 level.

#### WORKING GROUPS REPORT

The report on the working groups was presented for the April series of meetings. Eight comments were brought forward from the working groups to the SPC. Some ideas that are coming from the working groups that are in advance of what material the SPC is currently dealing with, so those ideas need to be kept and recorded for the appropriate moment. It is anticipated that the working groups will get ahead of the SPC in the curriculum, but there will be a knowledgeable base of individuals to draw information from.

#### CORRESPONDENCE and DELEGATIONS

1. From: Claude Cousineau, Raisin-South Nation Source Protection Committee  
To: Ian Smith, Director, Source Protection Program Branch, MOE  
Date: February 26, 2008  
Re: Proxy
2. From: Ian Smith, Director, Source Protection Program Branch, MOE  
To: Source Protection Committees  
Date: April 3, 2008  
Re: Confidentiality and Public Release of Draft Technical Documents
3. From: Ian Smith, Director, Source Protection Program Branch, MOE  
To: Source Protection Committee Chairs

Date: April 17, 2008  
Re: Challenges to the Completion of the Terms of Reference

4. From: Susan Self, Chair, CTC Source Protection Committee  
To: Minister Gerretson  
Date: April 18, 2008  
Re: Extension of deadline for Terms of Reference
5. From: Ian Smith, Director, Source Protection Program Branch, MOE  
To: Larry Brown, Chair  
Date: April 24, 2008  
Re: Response to update the Agricultural Systems Mapping

**MOTION #SPC: 2008-04-04**

Moved by Don Jones  
Seconded by Mert Schneider

**That the correspondence be received and filed.**

Carried by Consensus.

*Source Protection Stewardship (Kate Monk)*

Announced in 2006, the Source Protection Stewardship program had 7 million dollars in funds for 2007-2008 to accomplish source protection early actions in the province. 2 million dollars was for education and 5 million dollars for outreach to accomplish stewardship projects within 100 m. of a municipal wellhead or 200 m. of a municipal intake. The ABMV Region received \$156,000 in 2007-2008 which works out to roughly \$4,000 per municipal well. Since late September Chris Van Esbroeck and Dallas Campbell have worked out of the MVCA office on this project. Some of the outcomes of this project are to:

- Enhance public awareness
- Accomplish early actions for source protection
- Create awareness of need of protective stewardship
- Accomplish Best Management Practices
- Assist with the identification with new drinking water activities.

Phase 1 of this program was originally slated to end March 2008, but the program has been extended to June 2008. A number of public open houses were held, and there will be an 'Open Well' community event in Blyth in May to generate more interest. Further details on the grant rates and types of eligible projects can be viewed at [www.sourceprotectionstewardship.on.ca](http://www.sourceprotectionstewardship.on.ca).

At this time, Phase 2 of the program (2008-2009) is in development and is posted on the EBR for a comment period that ends May 16<sup>th</sup>. Once Phase 2 is approved, there is an opportunity for the Source Protection Stewardship program to be extended to include the 2-year TOT around municipal wellheads from 100 metres. A stipulation of the program is that this area must be recognized within a municipal document. Thoughts from the SPC indicate that a

map or series of maps can be developed with the 2-year TOT for the May meeting and be approved for the purposes of the stewardship grant.

#### LIAISON UPDATES AND OTHER BUSINESS

**MOE** – The proposed regulation for the Ontario Drinking Water Stewardship Program and Property Entry Training is posted on the EBR. The proposal has been posted for a 30 day review, and comments are due by May 16, 2008. The regulation of non-residential and seasonal residential drinking water systems (currently under O. Reg 252/05) is intended to be transferred to public health units.

**Walpole** – Liaison Johnson is meeting with the London District Chiefs on May 7<sup>th</sup> to give a presentation on Drinking Water Source Protection and the process and structure of the committee. Please advise Liaison Johnson if there are any recommendations to bring forward to the Chiefs.

#### OTHER BUSINESS

- SPC members' e-mail addresses will be posted on the website for the general public and interest groups to contact individual members of the SPC.
- The 'Is the Coast Clear?' conference will take place on May 23<sup>rd</sup> in Port Elgin. The conference is run by the Lake Huron Centre for Coastal Conservation and the cost is \$40/day.
- One or two copies of the Draft Proposed ToR will be available in hard copy for working group members who do not have access to the internet. The Working Groups will be informed about the Draft Proposed ToR during the May meeting series.
- It is anticipated that the Director's Rules on the AR are going to be flexible and that that Chair Brown considers that they are developing in the appropriate direction.

#### AGENDA ITEMS FOR NEXT MEETING

- Tier 1 Water Budget Report
- Public comments to date on draft proposed Terms of Reference
- Working Group and Municipal Subcommittee Report
- WHPA Presentation
- Discussion of 2 year TOT for the purposes of the source protection stewardship program

#### ADJOURNMENT

Chair Brown declared the meeting adjourned at 12:15 p.m.

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Larry Brown  
Chair

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Sue Brocklebank  
Recording Secretary