



Minutes of Meeting of the Essex Region Source Protection Committee (SPC) held on **Wednesday, December 2, 2009**, in the **Essex Civic Centre, Committee Room E**, 360 Fairview Avenue West, Essex, Ontario.

**PRESENT**

MEMBERS: Robert Auger  
John Barnett  
Tom Fuerth (Chair)  
Antonietta Giofu  
Thom Hunt  
Charles McLean  
Teresa McLellan (MOE Liaison)  
Tim Mousseau  
Mario Sonego  
Hans Peter Pfeifer  
Andrew Pula  
Gord Queen  
Ron Rogers (SPA Liaison)  
Ashley Stevenson  
John Stuart  
Larry Verbeke  
Jim Vincent  
David Watsa

REGRETS: None

ABSENT: Deb Bennett (Health Liaison)

STAFF: Stan Taylor, Director of Source Water Protection  
Candice Kondratowicz, Administrative Assistant  
Raj Bejankiwar, Water Quality Specialist  
Roger Palmiini, GIS/Data Specialist  
Susanne Tomkins, SWP Communications Specialist

GUESTS: Heather (Ross) Jablonski, Town of Essex  
John Kehoe, Union Water Supply System  
Garry Rossi, WUC  
Tom Touralias, Town of Lakeshore  
Kit Woods, Municipality of Leamington  
Richard Wyma, Essex Region Conservation Authority

## **CALL TO ORDER**

The Chair of the SPC, Tom Fuerth, called the Meeting to Order at 4:05 p.m.

## **CHAIR'S WELCOME**

Chair Fuerth welcomed all the attendants to this SPC meeting, with a special welcome to Richard Wyma, the General Manager in waiting who will be replacing Ken Schmidt as of February 1, 2010.

Chair Fuerth apologized for the size of the room, as this was an additional meeting scheduled and the only room available.

The Assessment Report preliminary consultations were briefly discussed by Chair Fuerth. Mr. Fuerth noted that the Kingsville public meeting had a large turnout of interested people. The Chair thanked the staff for all of their hard work in putting together the public meetings & the SPC Members who attended.

Chair Fuerth noted that Stan Taylor, Rajesh Bejankiwar & he, as well as several ERCA Staff & Board Members attended the Latornell Conference in November. Chair Fuerth noted that Climate Change was a large topic of discussion this year.

The Chair's meeting for December was held by teleconference Tuesday, December 1, 2009. It was noted that the draft Regulation for the Source Protection Plan has been delayed due to the province being held up with legal resource issues (Bill 212).

It was discussed that a meeting with the emergency planners is in the works & several presentations to Town Councils are scheduled for December & January.

Chair Fuerth advised that the SPC that there will be an ad for a position of a SPC Member in the business sector. This is due to the fact that Jim Vincent has advised the Chair & Project Manager that his employer has requested that he relocate to Chicago. Mr. Vincent has informed Chair Fuerth & Mr. Taylor that he is willing to remain on the committee until his transition, which will likely be Spring 2010. Chair Fuerth congratulated Mr. Vincent on this new opportunity.

## **INTRODUCTIONS**

As noted in the Chair's Welcome, Mr. Richard Wyma, Essex Region Conservation Authority, new General Manager as of February 1, 2010.

## **DISCLOSURE OF INTEREST**

None

## AGENDA

1. The Agenda for the Meeting of the Essex Region Source Protection Committee (SPC) held on Wednesday, December 2, 2009.

**Moved by Tim Mousseau  
Seconded by Gord Queen**

**THAT the Agenda for the Wednesday, December 2, 2009, Meeting of the Essex Region Source Protection Committee (SPC) be approved.**

- CARRIED

## MINUTES

1. Minutes of the Meeting of the Source Protection Committee (SPC) held on Thursday, October 21, 2009.

**Moved by Tim Mousseau  
Seconded by Mario Sonogo**

**THAT the Minutes of the Meeting of the Source Protection Committee (SPC) held on Thursday, October 21, 2009 and the recommendations therein be adopted as distributed.**

- CARRIED

## CORRESPONDENCE

None

## DELEGATIONS

None

## SOURCE PROTECTION AUTHORITY (SPA) INFORMATION

Minutes from the September 10, 2009 SPA meeting were attached for information purposes. No discussion occurred.

## MOE LIAISON'S UPDATE

Ms. McLellan provided a brief update to the SPC. Teresa advised the SPC that the Source Protection Plan (SPP) regulation has been through its first draft. The MOE is using the Mattagami Region's SPP as the first draft for review. The first review will take approximately six weeks to get back to the SPC, this first draft process is to ensure that all requirements are met prior to proceeding. The formal review will take approximately 6 months. Ms. McLellan informed the SPC that three (3) SPC's have requested extensions to date.

## REPORTS

1. **Report SPC 13/09** – Intake Protection Zone Delineation – Transport Pathways

A powerpoint presentation was provided by Stan Taylor at this meeting, as well as, additional maps of the Intake Protection Zones (*disk copy to be provided*).

**Moved by Mario Sonogo**  
**Seconded by John Stuart**

**THAT the approach to delineation of the IPZ-2s based on transport pathways, as described in Report SPC 13/09 be endorsed.**

- CARRIED

2. **Report SPC 14/09** – Update on Consultation including Public Meetings

Susanne Tomkins thanked the SPC Members for attending the Public Meetings. She noted that the Kingsville Public Meeting was the last one, with the greatest attendance.

As noted in the report, there was an increase in website hits for the month of November.

There was discussion dealing with the low attendance at the Public Meetings & what can be done to improve the numbers. Teresa McLellan offered to work with Susanne to brainstorm ideas to bring in additional people for the next consultation session.

Ms. Tomkins gave a brief update on the Stewardship program. She informed the SPC that all the money the Essex Region has received has been spent or committed. That they will be applying for additional funding.

**Moved by John Barnett**  
**Seconded by Ashley Stevenson**

**THAT the update on public meetings in Report 14/09 be received as information.**

- CARRIED

**OTHER BUSINESS**

1. **Assessment Report Technical Studies – Threats & Issues by Stantec**

Stan Taylor discussed the Technical Memo from Stantec dated December 2, 2009 on Potential Existing Significant Threats (*attached*).

**Moved by Gord Queen**  
**Seconded by Jim Vincent**

**THAT the report from Stantec be received.**

- CARRIED

The SPC also requested further information from Stantec at the next meeting, regarding the ‘screening’ of potential existing threats to date, and in the further work to be done. It was noted that any information identifying specific locations of existing significant threats will be confidential and will be dealt with in camera.

2. **Assessment Report – Other Components**

Several draft components of the AR (below) were presented and discussed by Rajesh Bejankiwar & Roger Palmmini at this meeting.

- Surface and Groundwater Quality Overview
- Highly Vulnerable Aquifers (HVAs) - mapping, potential threats/issues
- Significant Recharge Areas (SGRAs) – mapping, potential threats/issues

- Managed Lands and Livestock Density in IPZs, HVAs, SGRAs
- Impervious Lands in IPZs, HVAs, SGRAs

Powerpoint presentations were provided at the meeting (*disk copy to be provided*).

3. **Overall Schedule for Completion of Assessment Report**

The updated tentative schedule for Completion of the Assessment Report was provided to the SPC. No discussion occurred.

**Moved by John Stuart**  
**Seconded by Larry Verbeke**

**THAT the Overall Schedule for Completion of Assessment Report be endorsed.**

- CARRIED

Charlie McLean leaves 5:45 p.m. and provided his proxy to Tim Mousseau.

**NEW BUSINESS**

1. **2010 SPC Meeting Dates**

The suggested 2010 SPC meeting dates were provided to the SPC. No revisions occurred.

**Moved by Tim Mousseau**  
**Seconded by Charlie McLean**

**THAT the meeting dates for 2010 be scheduled on the 3<sup>rd</sup> Wednesday of each month, with exception to February (no meeting), and March (4<sup>th</sup> Wednesday), from 4:00 p.m. until 7:00 p.m. and the recommendations therein be adopted as distributed.**

- CARRIED

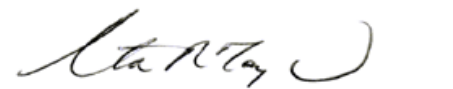
**MEETING ADJOURNMENT**

Meeting adjourned by consensus at 6:00 p.m.

**DATE – NEXT MEETING**

The next meeting of the SPC is scheduled for **Wednesday, December 16, 2009** in the Essex Civic Centre, Committee Room C, beginning at 4:00 p.m.

**CONCLUSION OF MEETING**



Stan Taylor P.Eng.,  
Director of Source Water Protection

# Technical Memorandum



**Stantec**

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To: Stan Taylor  
ERCA

From: Gary Deonarine  
Stantec London

File: 165500520/521

Date: December 2, 2009

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**Reference: Potential Existing Significant Threats**

The intent of this Technical Memorandum (TM) is to provide an update regarding the existing significant threats analysis for the A.H. Weeks WTP and the Amherstburg WTP.

The MOE Tables of Drinking Water Threats (TDWT) have been truncated based upon the vulnerability scores for each IPZ pertaining to the A.H. Weeks WTP and the Amherstburg WTP. The truncated lists provided the potential significant threats for each vulnerable area. The complete report identifying potential threats has been submitted to the client. These lists were compared to the MPAC parcel information for each IPZ and the potential significant threats were identified.

At this time the results of the potential existing threats analysis for the A.H. Weeks WTP IPZ-1 and IPZ-2 is provided in Table 1.

<b>Table 1: Potential Significant Existing Threats for the A.H. Weeks WTP</b>		
<b>45 Potential Significant Threats</b>	<b>44 Identified</b>	<b>19</b> <b>Storm sewers, Sanitary PS, WTP, and WWTP</b> In order for these land use activities to be identified as significant threats, chemical discharge must be proven to satisfy circumstances. The information required to fulfill these circumstances is a data gap.
		<b>4</b> <b>Agriculture parcels</b> Requires verification of application of pesticide, application of ASM, storage of ASM, livestock grazing, pathogens resulting from above activities. The information required to fulfill these circumstances is a data gap.
		<b>21</b> <b>Identified industrial parcels</b> In order for these land use activities to be identified as significant threats, discharge to surface water must be proven to satisfy circumstances. The information required to fulfill these circumstances is a data gap.

**Reference: Potential Existing Significant Threats**

<b>Table 1: Potential Significant Existing Threats for the A.H. Weeks WTP</b>	
<b>1 Requires Further Investigation to Identify</b>	This is an industrial parcel as determined by MPAC. In order for this land use activity to be identified as a significant threat, discharge to surface water must be proven to satisfy circumstances. The information required to fulfill these circumstances is a data gap.

The Amherstburg WTP may only have significant threats within the IPZ-1. The vulnerability scoring for the IPZ-2 is less than 8 and as a result there may not be significant threats. The Amherstburg WTP has 3 potential significant threats:

1. **1 industrial parcel** - This is an industrial parcel as determined by MPAC. In order for this land use activity to be identified as a significant threat, discharge to surface water must be proven to satisfy circumstances. The information required to fulfill these circumstances is a data gap;
2. **1 WTP** – In order for this land use activity to be identified as significant threat, chemical discharge must be proven to satisfy circumstances. The information required to fulfill these circumstances is a data gap; and
3. **1 sanitary pumping station** – In order for this land use activity to be identified as significant threat, chemical discharge must be proven to satisfy circumstances. The information required to fulfill these circumstances is a data gap.

No circumstances for the identified potential significant threats have been confirmed on a site specific basis. These threats require additional information to confirm the circumstances and thus the threat level. For industrial sites this may limit the result to those that discharge to surface water. The agricultural parcels will require information to prove that application of chemicals, agricultural source material, and/or pathogens are present. There are some land use activities such as the WTP and WWTP that may not necessarily discharge chemicals that are listed in the TDWT and thus satisfy a significant threat yet there must be documentation to prove that such chemicals are not being discharged. It is our understanding that some empirical evidence or perhaps site visits should support any significant threat. This may involve monitoring at discharge locations, discussions with property owners, municipal/provincial documentation for the allowance of specific activities to occur, etc. These results will be further refined as information is made available to confirm the circumstances for each potential significant threat.

The results provided herein are considered draft and regarded as potential existing significant threats. At this time the results provide a worst case scenario for significant

**Stantec**

December 2, 2009

Stan Taylor

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**Reference: Potential Existing Significant Threats**

threats. This TM is an update to the 'Essex Region Potential Existing Significant Threats TM' dated September 17, 2009. If you have any questions regarding this memo, please contact the undersigned at your convenience.

Sincerely,

**STANTEC CONSULTING LTD.**

A handwritten signature in black ink, appearing to read 'G. Deonarine', enclosed within a large, hand-drawn oval.

Gary Deonarine, E.I.T.  
Project Coordinator  
gary.deonarine@stantec.com