

# DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER



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# DRINKING WATER SOURCE PROTECTION

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## MEETING OF THE SOURCE PROTECTION COMMITTEE #2/10

February 22, 2010

The Source Protection Committee Meeting #2/10, was held at Black Creek Pioneer Village, North Theatre, on Monday, February 22, 2010. The Chair Susan Self, called the meeting to order at 10:05 a.m..

### PRESENT

Andrea Bourrie	Member
Doug Brown	Member
Wendy Burgess	Member
Michael D'Andrea	Member
Brian Denney	Liaison, Source Protection Authority
Louise Foster	Member
Michael Garrett	Member
Bob Goodings	Member
Irv Harrell	Member
David Kentner	Member
Lynne Moore	Member
Peter Orphanos	Member
John Presta	Member
Fred Ruf	Member
Mark Schiller	Member
Norine Schofield	Liaison, Medical Officer of Health
Susan Self	Chair
Howard Shapiro	Member
John Westlake	Liaison, Ministry of the Environment

### STAFF

Rodney Bouchard	Water Studies, Peel Region
Heather Brooks	Director Watershed Planning & Natural Heritage, CLOSPA
Richard Clark	Planning, CVSPA
David Burnett	Planning & Development, TRCA
Don Ford	Technical Lead, TRSPA
Adele Freeman	Director, Watershed Management, TRCA
Wendy Kemp	Program Manager, Env. Svcs, York Region
Sudhakar Kurli	Source Protection Coordinator, Region of Halton
Kerry Mulchansingh	Technical Lead, CVSPA
Nicholas Schulz	Communications & Consultations, CTC SWP
Gayle Soo Chan	Technical Lead, CLOSPA
Gloria Suarez	Technical Lead, CLOSPA
Beverley Thorpe	Project Manager, CTC Source Water Protection

**ABSENT**

Jessica Ginsburg  
Peter Miasek

Member  
Member

**PROXY**

Laura McDowell

Member

**RES.#153/10 -**

**MINUTES**

Moved by: Irv Harrell  
Seconded by: Dave Kentner

**THAT the Minutes of Meeting #1/10, held on Monday, January 18, 2010, be approved.**  
**CARRIED**

**CORRESPONDENCE**

(a) Letter dated January 11, 2010 to Susan Self, Chair, CTC Source Protection Committee, from James W. Brennan, Manager, Ducks Unlimited Canada, regarding the need to further protect and restore wetlands throughout your watersheds.

(b) Invitation to the Ontario Headwater Institute community workshops.

**RES.#154/10 -**

**CORRESPONDENCE**

Moved by: Louise Foster  
Seconded by: Doug Brown

**THAT the above-noted correspondence (a) - (b) be received.**

**CARRIED**

## CORRESPONDENCE A



Ducks Unlimited Canada  
Conserving Canada's Wetlands

Active by nature.

January 11, 2010

Susan Self  
Source Protection Committee Chair  
CTC Source Protection Region  
Toronto & Region Conservation Authority  
5 Shoreham Dr  
Downsview, ON M3N 1S4

Dear Ms. Self:

I am writing on behalf of Ducks Unlimited Canada (DUC) to express our continued interest in the development of your Source Water Protection Plans. As you move from your assessment reports to the development of your source water protection plans please consider **the need to further protect and restore wetlands throughout your watersheds**, as they help protect the quality and quantity of both surface and groundwater as it travels from its source to your drinking water intake zones the natural infrastructure like wetlands that help protect the quality and quantity of both surface and groundwater as it travels from its source to your drinking water intake zones.

Wetlands provide significant natural capital and are integral components of healthy watersheds. In particular they help ensure a continued supply of high quality freshwater by filtering sediment, bacteria, excess nutrients and other contaminants. Wetlands also act as important groundwater recharge and surcharge zones.

Enclosed please find some fact sheets regarding the value of wetlands and their importance to your community's drinking water. The protection of existing wetlands and the restoration of lost ones throughout your watersheds is an important consideration when developing plans to sustainably protect your water supplies. Wetlands are "nature's kidneys" and provide immeasurable values and functions regarding water quality.

DUC has recently produced a series of documents on the many ecological goods and services that wetlands, forests, grasslands and other natural features play in sustaining our waters, reducing greenhouse gases, providing habitat etc. These are available on our website at [http://www.ducks.ca/conservation/wetland\\_values/conservation.htm](http://www.ducks.ca/conservation/wetland_values/conservation.htm).

The development of source water protection plans is very important in maintaining and improving the quality of water resources within your communities now and for the future. The need to protect intake zones is important as is the need to protect source water throughout your watersheds. Please consider this as you develop your plans.

We wish you the best in the development of your source protection plans. Should you wish to discuss this matter further or the role that wetlands play regarding water quality and the development of your source water protection plans please contact Erling Armson at this office (613 389-0418) or by e-mail at [e\\_armson@ducks.ca](mailto:e_armson@ducks.ca).

Yours Truly,

James W. Brennan, BA, MBA  
Manager, Provincial Operations Ontario  
Ducks Unlimited Canada

Ducks Unlimited Canada  
740 Huronia Road, Unit 1, Barrie, Ontario L4N 6C6  
Tele: (705) 721-4444 Fax: (705) 721-4999  
[du\\_barrie@ducks.ca](mailto:du_barrie@ducks.ca)

## CORRESPONDENCE B

The Ontario Headwaters Institute invites you to attend one of a series of seven community workshops being held across south-central Ontario on:

### PRESERVING ONTARIO'S HEADWATERS

Headwaters consist of small streams and wetlands. Together, they constitute most of the length and provide the majority of the flow, nutrients, organic material, and niche habitats of our watercourses.



To help preserve these valuable components of our regional ecosystems, please join us at a community workshop to discuss:

- the importance of Ontario's headwaters,
- current policy & stewardship initiatives, and
- collaborative efforts for the future.

Seven workshops are being staged from Elora to Peterborough thanks to funding from the Ontario Trillium Foundation, extensive support from conservation authorities, and the participation of both local event and regional communication partners.

Registration is free but required in advance in order to ensure that enough coffee, chairs, and handouts are available.

#### WORKSHOP DATES AND EVENT PARTNERS ARE:

Thursday, March 4	Credit Valley Conservation & Trout Unlimited Canada
Tuesday, March 9	Halton Conservation & POWER
Thursday, March 11	Kawartha Conservation & the Community Stream Steward Program
Thursday, March 25	Otonabee Conservation & Peterborough Green-up
Monday, March 29	Elora Environment Centre
Wednesday, March 31	Toronto and Region Conservation Authority
Thursday, April 8	Lake Simcoe Conservation & STORM

Detailed agendas and maps to each event are available at [www.ohwi.ca/2010workshop](http://www.ohwi.ca/2010workshop)

Questions or registration should be directed to Andrew McCammon at the Ontario Headwaters Institute, either at 416 231 9484 or via [Andrew@ohwi.ca](mailto:Andrew@ohwi.ca).

Regional Communications Partners include:

- Community Stream Steward Program
- Conservation Ontario - for Members & Source Protection Committees
- Ducks Unlimited Canada
- Georgian Bay Association
- Georgian Bay Forever
- Great Lakes United
- H2O Info Network
- Ontario Greenbelt Alliance
- OEN Water Caucus
- Ontario Nature
- MNR for interested staff & Stewardship Councils
- Plenty Canada
- Sustainability Network
- Trout Unlimited Canada
- Water Canada
- Water Guardians Network

**SECTION I - ITEMS FOR COMMITTEE ACTION**

**RES.#155/10 -**

**Endorsement of Groundwater Source Protection Planning Work Plan - February 8, 2010 Planners meeting outcomes.**

Endorsement of proposed work plan to develop model policies to address drinking water threats and establishment of Municipal Liaison Working Group to oversee the activities to complete the development of optional policies for consideration of the CTC SPC.

Moved by: Dave Kentner  
Seconded by: Bob Burnside

**THAT the CTC SPC endorses the proposed work plan (Attachment 1) to develop a series of model policies for consideration by the CTC SPC in preparing the source protection plans required for each of the three source protection areas in the CTC Source Protection Region;**

**THAT the CTC SPC authorizes the formation of a Groundwater Source Protection Plan Working Group to appoint the Steering Committee and oversee the work to be undertaken to develop the series of model policies;**

**THAT SPC members who wish to be considered for appointment or chair of the SPPWG, advise Chair Self and Beverley Thorpe by February 25, 2010;**

**THAT Chair Self is authorized to appoint a chair and up to 6 members, 2 from each SPC grouping (municipal, economic, and general interest) as the SPPWG;**

**THAT Chair Self will advise the SPPWG and SPC as a whole of the appointments by March 5, 2010 or as soon as possible thereafter;**

**THAT the first meeting of the SPPWG be convened at the call of the chair in consultation with CTC staff and MLWG members;**

**THAT the meetings of the SPPWG be open to all SPC members to attend as observers;**

**AND FURTHER THAT the SPPWG be directed to report back to the CTC SPC from time to time on progress and to seek the approval of the CTC SPC for consultation steps and the report(s) arising from the work to be carried out.**

**CARRIED**

## **BACKGROUND**

At SPC Meeting #8/09 held November 24, 2010, the CTC SPC by RES#A140/09 authorized Chair Self to send an invitation to municipal planning staff to meet with CTC staff to re-engage on source water protection planning work anticipating the release of the draft regulation under the *Clean Water Act* on source protection planning in January 2010. At SPC Meeting #1/10 held on January 18, 2010, the CTC SPC by RES#A152/10 received a report with the details of the February 8, 2010 meeting and the response to the invitations.

David Burnett the lead planner for the CTC and the planning leads from the other two source protection areas and the Project Manager prepared a proposed work plan for discussion with municipal staff based on the tasks and approach in the approved Terms of Reference (TOR).

John Westlake, Liaison Officer from the Ministry of the Environment (MOE) has advised staff that amendments may not be required to the TOR when the work plan tasks are undertaken, if the tasks are assigned to a municipality through a delegation of tasks from the SPC (where the tasks are assigned to the SPC). This approach will be pursued to the extent possible and in consultation with the MOE. Municipal staff will need to advise us of the authorization that they would need from their councils to participate on the Steering Committee or to attend workshops. Formal municipal council resolutions are not required for tasks that the SPC delegates to a municipality, however a council resolution may trigger the need to amend a TOR.

### Outcome of February 8, 2010 Municipal Workshop

A total of 31 municipal staff from planning, works and source water protection technical contacts, staff from the adjacent source protection regions and CTC technical and planning staff attended the workshop (agenda found as Attachment 2) to discuss the proposed work plan to develop source protection plan policies for the CTC. Staffs from upper, lower and single tier municipalities were in attendance representing the full cross section of responsibilities and geographical parts of the CTC. The discussions were lively and informed. There was consensus support for the proposed approach, with a number of useful suggestions for modification which have been incorporated in the version of the work plan found in Attachment 1.

A copy of this report and attachments is being sent to all attendees at the meeting as follow up.

Some concerns were raised over whether the proposed Steering Committee should report to the SPPWG or to the CTC SPC directly. CTC staff recommend the reporting through the SPPWG to expedite and facilitate in depth discussion and closer oversight of this work by SPC members.

It is recognized that the SPC as a whole will be very involved in the selection of the final policies from the options identified. Once policy options are identified (winter/spring 2011), it is anticipated that the CTC SPC will wish to consult with various stakeholders to hear their perspectives regarding the pros and cons of the options under consideration. The specific role of the SPC, SPPWG and Steering Committee in these consultations can be determined at a future point.

There were a number of other items raised at the workshop that will need to be kept in mind and/or brought forward for future consideration. These included:

- Need to consider timing of other consultations, e.g. Assessment Report and future revisions to the Assessment Reports
- Municipalities need further discussion on risk management officials including who should do the work, how they are funded and the implications
- Rationalization and clarification of the requirements for consultation with First nations - municipalities have been receiving direction from the Ministry of Municipal Affairs and Housing on consultation requirements with the CTC area on planning matters that are more extensive than required by the *Clean Water Act*
- Funding and technical support to municipalities for future OMB appeals of planning decisions

### Next Steps

Upon SPC approval of the proposed work plan and the membership and mandate of the SPPWG, CTC staff will seek direction from the SPPWG on establishing the Steering Committee membership. Some municipalities have already indicated their interest in being on the committee and/or participating in the workshops. Striking the right mix of interests and availability to commit the time required will be an important consideration. Some municipalities have asked questions regarding funding their involvement. Direction will be required from the province on eligible costs.

Based on the approved work plan, CTC planning staff will prepare a Request for Proposal (RFP) for review and approval of the SPPWG with the intention seeking interested vendors and award of the contract in June 2010.

The Steering Committee should be appointed prior to the consultant selection and commencement of the work, ideally in place in time to review the proposed RFP. The proposed work plan should be reviewed and revised as needed by the SPPWG and Steering Committee from time to time, including the actual workshop topics and number of workshops to be held.

### Rationale

It is recommended that a series of model policies to address drinking water threats be developed in a collaborative, municipally co-lead approach for the consideration of the CTC SPC under the direction of the SPPWG and Steering Committee comprised of municipal and CTC planning staff.

To provide the dedicated resources required to complete the work in a timely way, it is recommended to hire a consultant to research and propose options considering the key guiding principles and then consulting through a series of workshops and preparing a report on the options. The report(s) will provide a basis for broader consultation on options which will be built to the extent possible on approaches that have been tried and found successful elsewhere.

Consultation on the options with the spectrum of interested and affected stakeholders will help the CTC SPC choose the optimum tools to recommend in the source protection plan for each of the three CTC source protection areas.

The proposed process includes early involvement and consultation with adjacent source protection regions.

**Report prepared by: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**For Information contact: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**Date: February 15, 2010**

**Attachments:** Being provided separately

1. Proposed Work Plan
2. Agenda February 8, 2010 Workshop Meeting
3. Terms of Reference SPP Tasks

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**RES.#156/10 -**

**Central Lake Ontario Source Protection Area Draft Assessment Report**

Establish Ad Hoc Working Group as part of proposed process for review and approval of the Central Lake Ontario Source Protection Area Draft Assessment Report to start Stage 2 public consultation.

Moved by: Louise Foster  
Seconded by: Juli Abouchar

**THAT the CTC Source Protection Committee (SPC) authorizes the formation of an Ad Hoc Working Group composed of up to 9 CTC SPC members representing the three committee groupings (municipal, economic sectors and general interest) to review in detail the Draft Assessment Report: CLOSPA and recommend to the CTC SPC at SPC Meeting #3/10 to be held on March 30, 2010 to approve or identify any key required changes to the document prior to public consultation on the draft assessment report;**

**THAT the members who wish to be considered as members or Chair of the Working Group advise Chair Susan Self by February 25, 2010;**

**AND FURTHER THAT Chair Self appoints the Working Group members and advise the SPC as a whole of the appointments.**

**CARRIED**

## **BACKGROUND**

The CTC SPC will be receiving for review and approval the first of the three Assessment Reports required in the CTC during the first week of March for the Central Lake Ontario Source Protection Area. In order to facilitate the committee's review and approval process within the timelines required, staff is recommending the formation of a working group to carry out a detailed review and make recommendations to the SPC at Meeting #3/10 to be held on March 30, 2010. It is proposed that the Chair and members of the working group are appointed by Chair Self from those SPC members who express an interest in taking on this assignment, maintaining a representative balance on the working group to reflect the three committee groupings (municipal, economic sectors and general interest). At least one meeting of the working group will be held approximately two weeks after receipt of the report to consider the report and to discuss the recommendations to be made to the CTC SPC. Additional meetings may be called if required within a short time frame. Meetings may be in person or via teleconference as determined by the working group chair. Prospective working group members must be able to meet as required and to review the material.

Extensions to the assessment report submission dates for the Toronto and Region and Credit Valley Source Protection Areas are being requested of the Ministry of the Environment (see agenda item 6.2). Depending upon the success of using a working group to facilitate review and approval of the CLOSPA draft assessment report, separate working groups may be struck to carry out the review of the Toronto and Region and Credit Valley draft assessment reports.

### **CLOSPA Draft Assessment Report Approval and Initial Public Consultation Timelines**

CTC SPC At SPC Meeting #1/10 held on Monday, January 18, 2010 the CTC SPC endorsed a staged public consultation strategy (Item 6.1) for the CTC assessment reports to meet the regulated timelines and requirements. The strategy included 2 stages of consultation with stage 1 focused on residents and businesses located within Wellhead Protection Areas (WHPA). As CLOSPA does not have any WHPAs located within its jurisdiction, the public consultation requirements will be addressed during the Stage 2 consultation period which is the regulated public consultation with all interested stakeholders in the source protection area. The timeline has been based on the acceptance of the CTC Assessment Reports for public consultation at SPC Meeting #3/10 on Tuesday, March 30, 2010, and the subsequent public notice of the *Draft Assessment Report: CLOSPA* and the start of the public comment period by April 9, 2010. Attachment 1 outlines the timetable of the 'Draft Assessment Report: CLOSPA' to the end of the first regulatory public comment period.

### **Assessment Report Content**

The *Draft Assessment Report: CLOSPA* is designed to meet the content requirements outlined in O. Reg. 287/07 and the Technical Rules: Assessment Report *Clean Water Act, 2006* herein referred to as 'the Director's Rules'. The *Draft Assessment Report: CLOSPA* has been prepared as a summary document for the interested reader with key information on source water protection including vulnerable area maps and documentation of the general methodologies used during the vulnerability assessment. This document is not a collation of all the technical study reports. CTC staff has endeavored to ensure that all requirements including analyses, maps, text, symbology as well as consistency standards have been met. The technical results presented in the *Draft Assessment Report: CLOSPA*, with the exception of the Highly Vulnerable Aquifer (HVA) delineation, have been previously reviewed and accepted by the SPC.

A standard table of contents was utilized in consultation with the province and several Source Water Protection Regions to ensure that the work covers the requirements of the Director's Rules.

The CLOSPA Assessment Report is laid out as follows:

- Executive Summary with SWP maps
- Chapter 1: Introduction (CWA and process, about the CTC Source Protection Region)
- Chapter 2: Watershed Characterization - general findings with focus on the required components that support the delineation, vulnerability scoring and risk assessment of the 3 CLOSPA SWP Vulnerable Areas (IPZs, HVAs and SGRAs)
- Chapter 3: Water Budgets - Conceptual, Tier 1 and watershed stress assessment
- Chapter 4: Vulnerability - Scoring of HVAs, SGRAs, IPZs and consideration of transport pathways
- Chapter 5: Threats, Conditions and Issues - Risk assessment and scoring
- Chapter 6: Summary, Conclusions and Next Steps
- Appendices - methodology & gaps - 1 for each technical study, threats tables

The *Draft* Assessment Report: CLOSPA is currently being reviewed by plain language editors who have been retained to edit each of the CTC *Draft* Assessment Reports to facilitate public consultation. The version to be reviewed by the CTC SPC will be the plain language edited version which will be distributed in early March 2010. CLOSPA technical staff will review and approve the editor's changes to the report prior to distribution to the SPC ensuring that the technical content is accurate and meets the legislated and regulated requirements for completeness. Municipal technical staff and the Central Lake Ontario Source Protection Authority board will receive a draft of the report for pre-consultation information at the same time as the CTC SPC.

### **Rationale**

The turn-around time for review and approval by the CTC SPC of the *Draft* Assessment Report: CLOSPA prior to distribution to the public is extremely tight. Staff have very little time to make any revisions if they are requested at the March 30, 2010 meeting. Staff recommend that the SPC establish an Ad Hoc Working Group to review the *Draft* Assessment Report: CLOSPA to provide a thorough review and to meet the timetable in order to provide specific recommendations on suggestions or corrections (wording changes) to the CTC SPC at SPC Meeting #3/10 on Tuesday, March 30, 2010. All members of the CTC SPC are requested to submit pertinent comments on the *Draft* Assessment Report: CLOSPA to Nicholas Schulz at [nschulz@trca.on.ca](mailto:nschulz@trca.on.ca) by March 15, 2010. All comments submitted will be reviewed and discussed by the Ad Hoc Working Group as they consider specific recommendations of change for the March 30th meeting.

At SPC Meeting #3/10 staff will provide a short presentation on the conclusions of the report and the changes requested by the Ad Hoc Working Group.

**Report prepared by: Gayle Soo-Chan 905-579-0411 extension 139**

**Emails: [gsoochan@cloca.com](mailto:gsoochan@cloca.com)**

**For Information contact: Beverley Thorpe, extension 5577**

**Emails: [bthorpe@trca.on.ca](mailto:bthorpe@trca.on.ca)**

**Date: February 12, 2010**

**Attachments: 1**

**1. Timetable for Review and Public Consultation on CLOSPA Draft Assessment Report**

**Attachment 1 - Timetable for Review and Public Consultation on CLOSPA Draft Assessment Report**

Date	Activity
March 5	<p>Distribution of draft '<i>Draft Assessment Report: CLOSPA</i>' to SPC members for review/comment</p> <p><i>'Draft Assessment Report: CLOSPA'</i> also distributed to Region of Durham municipal staff and Central Lake Ontario Source Protection Authority for information)</p>
March 15	<p>Deadline for CTC SPC members to submit comments on the draft '<i>Draft Assessment Report: CLOSPA</i>'</p>
March 23	<p>Ad Hoc Working Group Meeting to review CTC SPC comments and develop recommendations for revisions to the draft '<i>Draft Assessment Report: CLOSPA</i>'</p>
March 30	<p>SPC Meeting #3/10 approve/reject recommendations of the Ad Hoc Working Group.</p> <p>Approval of the '<i>Draft Assessment Report: CLOSPA</i>' for public distribution</p>
April 6	<p>Regulated Public Comment period begins</p> <ul style="list-style-type: none"> <li>- '<i>Draft Assessment Report: CLOSPA</i>' posted on-line at <a href="http://www.ctcswp.ca">www.ctcswp.ca</a></li> <li>- '<i>Draft Assessment Report: CLOSPA</i>' available for inspection at CLOSPA and Durham Region offices</li> <li>- Notification posted on-line and in local newspapers <ul style="list-style-type: none"> <li>Clarington This Week</li> <li>Oshawa/Whitby This Week</li> <li>Ajax-Pickering News</li> <li>Canadian Statesman</li> <li>Oshawa Express</li> <li>Region of Durham News</li> <li>Scugog Standard</li> </ul> </li> <li>- Notice sent to <ul style="list-style-type: none"> <li>o Clerks of each municipality wholly or partially within CLOSPA</li> <li>o <i>Every person known to be engaging in a significant drinking water threat in CLOSPA (there will be none at this stage prior to completion of the Lake Ontario IPZ3 assessment which will be included in future update of the assessment report)</i></li> <li>o Source Protection Area Chairs and Project Managers of Southern Georgian Bay Lake Simcoe and Trent Conservation Coalition Source Protection Regions</li> <li>o RAP and LaMP members</li> </ul> </li> </ul>
May 4	<p>Regulatory public consultation meeting on the '<i>Draft Assessment Report: CLOSPA</i>' in Whitby-Oshawa area</p>
May 14	<p>Public comment period for '<i>Draft Assessment Report: CLOSPA</i>' ends  Comments received will be considered by SPC and revisions made to the Draft report to produce the <i>Proposed Assessment Report: CLOSPA</i> for submission to SPA and a second 30 day public comment period.</p>

**RES.#157/10 -**

**Draft Source Protection Plan Regulation: Authorization for Chair to send comments by March 26, 2010 for SPC endorsement at SPC Meeting #3/10, March 30, 2010.**

Authorization for the CTC Chair to send comments on behalf of the CTC for post facto approval in response to posting on January 25, 2010 notice of the Draft Source Protection Plan Regulation for a 60 public comment period on the Environmental Bill of Rights registry.

Moved by: Juli Abouchar  
Seconded by: Wendy Burgess

**THAT the CTC SPC receive this report and the presentation from John Westlake, CTC SPC Liaison Officer for information;**

**THAT the CTC SPC members provide their comments on EBR posting #010-8766 to Nicholas Schulz, CTC Communications Supervisor by March 12, 2010 for inclusion in consolidated comments for the Chair;**

**THAT the CTC SPC members authorize the Chair to submit comments on behalf of the CTC SPC in response to EBR Posting #010-8766;**

**AND FURTHER THAT the Chair seeks the endorsement of the comments from the CTC SPC at Meeting #3/10 to be held on March 30, 2010.**

**CARRIED**

**BACKGROUND**

On January 25, 2010 the province posted notice on the Environmental Bill of Rights registry (EBR Registry Number 010-8766) of public consultation for proposed amendments to O. Reg. 287/07 under the *Clean Water Act, 2006*. These amendments, if passed, direct source protection committees and authorities on what is required to complete source protection plans. The regulation is based the comments received on the Source Protection Planning Discussion Paper which was released for comment on June 25, 2009 under EBR Registry Number 010-6726.

The presentation from John Westlake, CTC SPC Liaison Officer, will provide a detailed briefing on the draft SPP regulation, offering members an opportunity to ask questions and identify any issues or areas of concern.

***MOE Information and Discussion Session***

To facilitate discussion during the 60 public comment period the Ministry of the Environment has scheduled a number of Source Protection Information and Discussion Sessions across the province. The CTC Source Protection has been invited to send staff and a subset of the entire committee to a discussion session in Milton on March 1, 2010. To ensure consistency to the 1/3, 1/3, 1/3 model the Chair has asked 2 members from each the municipal, public and economic sectors to attend as representatives of the CTC. The following are the CTC members who will attend this discussion session on March 1, 2010.

Public Sector Representative	Municipal Representative	Economic Representative
Robert Goodings	John Presta	Heather Laidlaw
Juli Abouchar	Bob Burnside	Peter Miasek

**Providing Comments on EBR posting #010-8766**

All SPC members are encouraged to review the EBR posting at <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTA2NjQ4&statusId=MTYwMDA4&language=en> and provide comment on the Draft Source Protection Planning Regulation. SPC members are asked to provide staff with written comments on the EBR posting no later than March 12, 2010 for consideration in preparing the submission from the CTC Source Protection Committee.

SPC members may also make comments directly or through the member's stakeholder associations/municipalities.

**NEXT STEPS**

CTC staff will prepare comments for the approval of the Chair of the SPC considering review of the Draft SPP regulation, CTC SPC member comments raised at the March 1 consultation session and any comments submitted by SPC members by March 12, 2010. These comments will be sent under the signature of the CTC SPC Chair by the public comment deadline of March 26, 2010. At SPC Meeting #3/10 on March 30, 2010 these comments will be brought to the CTC Source Protection Committee for endorsement.

**Report prepared by: Beverley Thorpe extension 5577**

**Emails: bthorpe@trca.on.ca**

**For Information contact: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**Date: February 10, 2010**

**Attachments:**

**RES.#158/10 -**

**Review of Delineation Highly Vulnerable Aquifers (HVAs) and Vulnerability Assessment in Significant Recharge Areas (SGRAS) by Ad Hoc Working Group.**

Extend mandate of the Ad Hoc Working Group to add a task to review and make recommendation to the CTC SPC on the delineation of HVAs and vulnerability assessment of SGRAs in the CTC Region.

Moved by:

Fred Ruff

Seconded by:

Andre Bourrie

**THAT the CTC SPC authorizes the Ad Hoc Working Group (WG) to review and make recommendations to the CTC SPC on the acceptance of the delineation of HVAs and vulnerability assessment of SGRAs in the CTC Region;**

**AND FURTHER THAT the Ad Hoc Working Group will report back on their recommendations to the CTC SPC Meeting #3/10 to be held on March 30, 2010.**

**CARRIED**

## **BACKGROUND**

The Ad Hoc Working Group (WG) was authorized by RES. #A138/09 at SPC Meeting #7/09 held on October 20, 2009 to review and recommend to the CTC SPC on the acceptance of the delineation and vulnerability assessment of Well Head Protection Areas (WHPAs). The mandate of the WG was extended by RES. #A147/10 at SPC Meeting #1/10 held on January 22, 2010 to review and accept the remaining work on Well Head Protection Area (WHPA) delineation and vulnerability scoring for municipal wells for inclusion in Assessment Report.

Staff recommends that the WG be assigned the responsibility to review the technical work and recommend to the SPC regarding acceptance of the mapping of HVAs and vulnerability assessment within SGRAs. This recommendation is based on the following:

- the technical foundation of this work has many features in common with the technical basis used to assess vulnerability within WHPAs and thus WG members are familiar with many of the technical concepts; and
- the review of this material is required during the month of March as this information is included in the Central Lake Ontario Source Protection Authority (CLOSPA) Assessment Report which must be approved by the SPC at the March 30, 2010 meeting in order to meet our regulatory timelines for submission.

### Delineating HVAs and Vulnerability Assessment in Significant Groundwater Recharge Areas

A Groundwater Quality Vulnerability Analysis is required under the *Clean Water Act, 2006* and regulation in an Assessment Report. In this analysis, vulnerable areas are delineated including:

- Wellhead protection areas (WHPAs);
- Significant groundwater recharge areas (SGRAs); and
- Highly vulnerable aquifers (HVAs).

The relative vulnerability of groundwater to contamination (sometimes termed intrinsic vulnerability) is then determined within each of these areas. Vulnerability is equated to travel times of contaminants from surface where if contaminants are estimated to be able to reach an aquifer or well in a shorter time period, then that aquifer or well is deemed to be more vulnerable.

The listing of tasks and Director's Rules relative to the HVA delineation and vulnerability analysis include:

- a) Assessment and delineation of groundwater vulnerability (Part IV.1, Rules 37 and 38);
- b) Delineating Highly Vulnerable Aquifers (Part V.1, Rule 43);
- c) Assign vulnerability scores. Highly vulnerable aquifers outside of a WHPA area are given a score of 6 (Part VII.1, Rule 79);
- d) Determining impact of anthropogenic transport pathways (Part IV.1, Rules 39 and 40);
- e) Determining level of uncertainty as High or Low (Part I.4, Rules 13-15)

SGRAs are delineated through the water budget process. The vulnerability analysis used to delineate highly vulnerable aquifers is also used to assess the vulnerability within SGRAs. The areas within SGRAs are identified as low, medium or high vulnerability with corresponding scores of 2, 4 and 6 respectively.

This work has been carried out by Dr. Rick Gerber with the technical staff of the CTC conservation authorities. It is being peer reviewed by Chris Neville who has been reviewing the groundwater components of CTC water budgets. The work will also be shared with municipal technical staff contacts working on source water protection for their review as well during March.

#### **NEXT STEPS**

The WG is meeting next on March 24, 2010 to review materials on WHPAs that are available at that time. If directed by the SPC the WG will receive a report, presentation and peer review recommendations on the delineation of Highly Vulnerable Aquifers (HVAs) the vulnerability assessment of areas delineated as Significant Recharge Areas (SGRAs) at this meeting as well. The WG would report back at SPC Meeting #3/10 to be held on March 30, 2010 so that this information is available when the SPC is making its decisions on approval of the CLOSPA Assessment Report.

**Report prepared by: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**For Information contact: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**Date: February 19, 2010**

**Attachments:**

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## **SECTION II - ITEMS FOR COMMITTEE INFORMATION**

### **RES.#159/10 -**

### **Ad Hoc Working Group - WHPA Delineation and Vulnerability Assessment in the CTC SPR.**

Ongoing update on status of the deliberations of the Ad Hoc Working Group.

Moved by: Fred Ruff  
Seconded by: Juli Abouchar

**THAT the CTC SPC receives this report for information;**

**AND FURTHER THAT the Ad Hoc Working Group will report back on the status of their deliberations at CTC SPC Meeting #3/10 to be held on March 30, 2010 .**

**CARRIED**

### **BACKGROUND**

The Ad Hoc Working Group (WG) was authorized by RES. #A147/10 at SPC Meeting #1/10 held on January 22, 2010 to review and accept the remaining work on Well Head Protection Area (WHPA) delineation and vulnerability scoring for municipal wells for inclusion in Assessment Report. Upon acceptance of the WHPAs for a municipality, the WG will direct staff to advise the SPC as a whole and start Stage 1 public consultation (reference RES.#A134/09 and RES. #A135/09 passed at Meeting #8/09 held on November 24, 2009) when maps showing the WHPA and vulnerability scores were complete. The CTC SPC is responsible for approval of the Draft Assessment Report incorporating all of the required technical studies to start Stage 2 public consultation to meet the regulatory public consultation requirements, including the WHPA delineation and vulnerability assessment.

The WG met on Wednesday February 17, 2010 to receive an update on staff on the progress to completing the outstanding work. Although work is progressing, there is still outstanding work to be submitted by the consultants doing the work, the peer reviewers and response to the peer review comments. As such staff was unable to provide the WG with any final maps for their review and acceptance. No Stage 1 consultation will commence until the WG has been provided with the final maps (which will also be provided to all CTC SPC members).

The WG had a discussion on the best way for staff to track status and report to the WG and SPC on each of the various studies. The Summary Table which is being provided separately to SPC members will be updated and the current version provided to the WG and SPC at future meetings. It is hoped that the Summary Table will aid members in tracking the progress and determining which of the background reports, peer reviews and peer review comments process and resulting maps are linked with which.

## **NEXT STEPS**

The WG will meet next on March 24, 2010 to review materials on WHPAs that are available at that time. Following the March 24, 2010 WG meeting is the earliest that any Stage 1 consultation would be undertaken.

If directed by the SPC (see agenda item 6.4 added to the agenda for this meeting), the WG will receive a report, presentation and peer review recommendations on the delineation of Highly Vulnerable Aquifers (HVAs) the vulnerability assessment of areas delineated as Significant Recharge Areas (SGRAs) at this meeting as well. The WG will report back at SPC Meeting #3/10 to be held on March 30, 2010.

**Report prepared by: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**For Information contact: Beverley Thorpe, extension 5577**

**Emails: bthorpe@trca.on.ca**

**Date: February 10, 2010**

**Attachments: 1**

Summary Table being provided separately

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## **RES.#160/10 -**

### **Quarterly Chair's reports: CLOSPA, TRSPA, and CVSPA**

Review for information of the CTC Chair's Quarterly Report to the three CTC Source Protection Authorities.

Moved by:

Dave Kentner

Seconded by:

Michael Garrett

**THAT the SPC receives this report for information related to the submission of the 2nd Chair's Quarterly Reports (attachments 1, 2 and 3) from the CTC Source Protection Committee Chair to the appropriate CTC Source Protection Authority.**

**CARRIED**

## **BACKGROUND**

As required under Section 21 the *Clean Water Act, 2006* the CTC Source Protection Committee must provide a quarterly report to each of the Source Protection Authorities within the CTC Source Protection Region. The CTC Chair, in agreement with the CAOs of the three CTC Source Protection Authorities, will provide written quarterly reports in the months of December, March, June and September until the Source Protection Plan is submitted in August, 2012. It is the preference of all three Source Protection Authorities that these quarterly reports be received by the Conservation Authority board and accepted as correspondence by the Source Protection Authority at the subsequent convened Source Protection Authority meeting.

The 2nd Chair's Quarterly Reports for each of the 3 Source Protection Authorities within the CTC Source Protection Region are found as Attachments 1, 2 and 3 of this report.

In March 2010 the Central Lake Ontario Source Protection Authority will convene to receive a presentation of the 'Draft Assessment Report: CLOSPA' and the Chair's 2nd Quarterly Report.

The work in CLOSPA is moving ahead on target with the timelines to hold Stage 2 public consultation on the Draft Assessment Report in April-May and submission of the Proposed Assessment Report by August 17, 2010 for approval to the Ministry of the Environment.

The 2nd Chair's Quarterly Reports for the Toronto and Region (TRSPA) and Credit Valley (CVSPA) Source Protection Areas highlight the delays in the completion of the Assessment Reports due to delays in completion of technical work led by consultants working for municipalities, including the peer review and subsequent revisions and additional work required. Formal requests for extension of the submission dates for these two assessment reports will be sent to the Ministry of the Environment in March 2010, when the scheduled completion dates for the outstanding work can be confirmed. We anticipate requesting extensions so that the TRSPA & CVSPA *Proposed* Assessment Reports would be submitted to the Ministry of the Environment in October and December respectively.

#### **NEXT STEPS**

The next CTC SPC Chair's quarterly report is due in June 2010 and will provide an update on the *Draft* Assessment Report work, the Stage 2 public consultation of the '*Draft* Assessment Report: CLOSPA' and plans to start work on Source Protection Planning. It is anticipated that we should have a response by this time to the request for extension for the submission of the TRSPA and CLOSPA *Proposed* Assessment Reports.

**Report prepared by: Nicholas Schulz, extension 5392**

**Email: [nschulz@trca.on.ca](mailto:nschulz@trca.on.ca)**

**Date: February 10, 2010**

**Attachments: 3**

1. Chair's Quarterly Report - CLOSPA
2. Chair's Quarterly Report - CVSPA
3. Chair's Quarterly Report - TRSPA

## **Attachment 1 – Chairs Quarterly Report – CLOSPA**

**TO: Chair and Members of the Central Lake Ontario Source Protection Authority**

**FROM: Susan Self, Chair, CTC Source Protection Committee**

**RE: CTC Chair's Quarterly Report to Central Lake Ontario Source Protection Authority**

**KEY ISSUE: Receipt of the Second CTC Chair's Quarterly Report**

### **RECOMMENDATION**

**THAT CLOSPA receives this report as the 2nd Chair's Quarterly Report from the CTC Source Protection Committee Chair.**

### **BACKGROUND**

As required by Section 21 of the *Clean Water Act, 2006* the CTC Source Protection Committee must provide a quarterly report to each of the Source Protection Authorities within the CTC Source Protection Region. The CTC Chair, in agreement with the CAO of **Central Lake Ontario Source Protection Authority**, will provide written quarterly reports in the months of December, March, June and September until the Source Protection Plan is submitted in August, 2012. It is my understanding that in March 2010 the Central Lake Ontario Source Protection Authority will convene to receive this report and to receive a presentation on the 'Draft Assessment Report: Central Lake Ontario Source Protection Area (CLOSPA)' prior to its release to the public to start the mandatory consultation with municipalities, directly affected stakeholders and the general public. I would be happy to attend your meeting and answer any questions on this report and the work underway in the Central Lake Ontario Source Protection Area (CLOSPA).

### **Draft Assessment Report: CLOSPA**

Technical studies for the 'Draft Assessment Report: CLOSPA' have been completed and a technical draft of the document has been compiled. Plain language editing is underway and an initial text draft of the 'Draft Assessment Report: CLOSPA' will be distributed to the CTC SPC in early March 2010 for review and anticipated approval on March 30, 2010 at SPC Meeting #3/10.

The 'Draft Assessment Report: CLOSPA' must be published online, advertised in local news papers and released to municipal clerks by April 9, 2010 to meet the May 14, 2010 public comment deadline approved by the CTC Source Protection Committee.

Attachment 1 provides the current timeline for approval, consultation and submission of the 'Proposed Assessment Report: CLOSPA'.

The following table provides an update on the current status of technical studies within the CLOSPA to be included in the initial Assessment Report (Future amendments to the Assessment Report will be required for Intake Protection Zone 3 delineation and drinking water threats modelling). The majority of the technical studies for the initial Assessment Report have been completed.

## Status of Technical Studies in CLOSPA – February 2010

	Durham Region
<b>Well Head Protection Area delineation</b>	N/A
<b>Vulnerability Analysis</b>	N/A
<b>Transport Pathways</b>	N/A
<b>Threats Assessment</b>	N/A
<b>Highly Vulnerable Aquifer delineation</b>	With Peer Review
<b>Significant Groundwater Recharge Area delineation</b>	Complete
<b>Significant Groundwater Recharge Area Vulnerability Assessment</b>	In Peer Review with HVA work
<b>Intake Protection Zone 1 &amp; 2 delineation</b>	Complete

### Public Consultation

At SPC Meeting #1/10 on January 18, 2010 the CTC SPC approved and authorized the Communications & Outreach Working Group to plan public consultation for the development of the Assessment Reports which meets the requirements of the *Clean Water Act, 2006*.

The CTC SPC directed staff to hold one public consultation meeting within CLOSPA to meet the minimum formal meeting requirements. This meeting is tentatively scheduled for May 4, 2010 at Cullen Central Park.

As there are no municipal groundwater systems within CLOSPA, the CTC SPC have directed that this public meeting offer both an opportunity to comment on the 'Draft Assessment Report: CLOSPA' as well as being combined with a workshop/presentation which highlights upcoming work of the Lake Ontario Collaborative which is assessing drinking water threats to municipal drinking water systems operated by the Region of Durham in CLOSPA as part of a study from the Region of Niagara to Prince Edward County. The results of this future work will be included as an amendment to the CLOSPA Assessment Report and further public consultation will be undertaken.

### Source Protection Plans

On January 25, 2010 the Ministry of the Environment posted notice of the Draft Source Protection Planning Regulation on the Environmental Registry (EBR Registry Number 010-8766). To coincide with the posting of this Draft regulation CTC planning staff hosted a meeting of municipal and operational planning staff at Black Creek Pioneer Village on February 8, 2010. This successful meeting was attended by over 30 municipal planning/operational staff from most of the upper, lower and single tier municipalities in the CTC Source Protection Region.

At this meeting CTC staff presented a "Proposed Work Plan for the Development of Source Protection Plan Policies for the CTC Region" and received input for revisions from the attendees through a facilitated breakout period (*the SPP workplan is available upon request*). Work on starting the identification of candidate policies for inclusion in the source protection plans to be developed for CLOSPA and the other two source protection areas are planned to start in the spring of 2010. Municipal staffs have been asked to advise us if and how they want to participate in this municipally co-lead activity. Depending upon their response, amendments

may be required to the approved CTC Terms of Reference (TOR) documents. Input received from the municipalities regarding their desired involvement in the Source Protection Planning work will allow staff to clarify source protection planning tasks within the TOR.

#### **NEXT STEPS**

The next CTC SPC Chair's quarterly report will be delivered in June 2010 and will provide an update on the *Draft* Assessment Report work, public consultation of the '*Draft* Assessment Report: CLOSPA' and Source Protection Planning. CTC staff anticipate that the '*Proposed* Assessment Report: CLOSPA' will be submitted to the Central Lake Ontario Source Protection Authority for review and a 30-day public comment period on June 2, 1010.

The '*Proposed* Assessment Report: CLOSPA along with any responses received during this comment period are to be submitted through the Central Lake Ontraio Source Protection Authority to the Ministry of the Environment for approval by August 17, 2010. A copy of the submission is required to be sent to the CTC SPC at that time as well.

**Attachment 1 of the Chair's Quarterly Report CLOSPA**

<b>Activity</b>	<b>SPA Action Required</b>	<b>Date</b>
Initial draft of the ' <i>Draft Assessment Report: CLOSPA</i> ' distributed to SPC and CLOSPA	None	Before March 10, 2010
' <i>Draft Assessment Report: CLOSPA</i> ' approved by SPC for public consultation	None	March 30, 2010
' <i>Draft Assessment Report: CLOSPA</i> ' released to clerks and posted for public comments	Receive ' <i>Draft Assessment Report: CLOSPA</i> ' for information	Prior to April 9, 2010
Public consultation meeting at Cullen Central Park to meet the regulatory requirements for ' <i>Draft Assessment Report: CLOSPA</i> '	None but meeting is open to all	May 4, 2010
Public comment deadline for ' <i>Draft Assessment Report: CLOSPA</i> '	Opportunity for the Authority to provide comments which must be considered by SPC in making revisions (not required)	May 14, 2010
SPC approval of the ' <i>Proposed Assessment Report: CLOSPA</i> '	None	June 1, 2010
Submission of the ' <i>Proposed Assessment Report: CLOSPA</i> ' to CLOSPA	<b>Receive '<i>Proposed Assessment Report: CLOSPA</i>'</b>	June 2, 2010
' <i>Proposed Assessment Report: CLOSPA</i> ' circulated to clerks and posted for 30 day public comment period	<b>Receive and compile public comments for submission with the '<i>Proposed Assessment Report: CLOSPA</i>'</b>	June 2, 2010
Public comment period for ' <i>Proposed Assessment Report: CLOSPA</i> ' ends	<b>Option to provide comment on '<i>Proposed Assessment Report: CLOSPA</i>'</b> (not required)	July 2, 2010
Authorize staff to submit ' <i>Proposed Assessment Report: CLOSPA</i> ', CLOSPA comments & public comments to MOE	<b>Authorize CTC staff to submit '<i>Proposed Assessment Report: CLOSPA</i>' to meet regulatory requirements</b>	July 2010
Assessment Report submitted to MOE		August 17, 2010

**Attachment 2 – Chairs Quarterly Report CVSPA**

TO: **Chair and Members of Credit Valley Source Protection Authority**  
FROM: **Susan Self, Chair, CTC Source Protection Committee**  
RE: **CTC Chair's Quarterly Report to Credit Valley Source Protection Authority**  
KEY ISSUE: Receipt of the Second CTC Chair's Quarterly Report

**RECOMMENDATION**

**THAT CVSPA receives this report as the 2nd Chair's Quarterly Reports from the CTC Source Protection Committee Chair.**

**BACKGROUND**

As required by Section 21 of the *Clean Water Act, 2006* the CTC Source Protection Committee must provide a quarterly report to each of the Source Protection Authorities within the CTC Source Protection Region. The CTC Chair, in agreement with the CAO of **Credit Valley Source Protection Authority**, will provide written quarterly reports in the months of December, March, June and September until the Source Protection Plan is submitted in August, 2012. It is the preference of all three Source Protection Authorities within the CTC Source Protection Region that these quarterly reports be received by the Conservation Authority board and accepted as correspondence by the Source Protection Authority at the subsequent convened Source Protection Authority meeting.

***Draft Assessment Report: CVSPA***

Technical studies within the CVSPA have been delayed with significant impact to the development of the '*Draft Assessment Report: CVSPA*'. CTC staff anticipate sending a request to the Ministry of the Environment which will extend the deadline for submission of the '*Proposed Assessment Report: CVSPA*' until December 2010.

The following table provides an update on the current status of technical studies within the CVSPA to be included in the initial Assessment Report (Future amendments to the Assessment Report will be required for Tier 3 Water Budget and Intake Protection Zone 3 delineation and drinking water threats modelling). The majority of these studies are being prepared by consultants under the supervision of the municipality responsible for the water system.

## Status of Technical Studies in CVSPA – February 2010

	Peel Region	Halton Region	Dufferin County	Wellington County
<b>Well Head Protection Area delineation</b>	With Peer Review	With Peer Review	With Peer Review	Not yet received
<b>Vulnerability Analysis</b>	With Peer Review	With Peer Review	With Peer Review	Not yet received
<b>Transport Pathways</b>	Additional refinement required	With Peer Review	Not yet received	Not yet received
<b>Threats Assessment</b>	Not yet received	Not yet received	Not yet received	Not yet received
<b>Highly Vulnerable Aquifer delineation</b>	With Peer Review	With Peer Review	With Peer Review	With Peer Review
<b>Significant Groundwater Recharge Area delineation</b>	Complete	Complete	Complete	Complete
<b>Significant Groundwater Recharge Area Vulnerability Assessment</b>	In Peer Review with HVA work	In Peer Review with HVA work	In Peer Review with HVA work	In Peer Review with HVA work
<b>Intake Protection Zone 1 &amp; 2 delineation</b>	Complete	N/A	N/A	N/A

### Public Consultation

At SPC Meeting #1/10 on January 18, 2010 the CTC SPC approved and authorized the Communications & Outreach Working Group to plan public consultation for the Assessment Reports which meets the requirements of the *Clean Water Act, 2006*.

The CTC SPC directed staff to hold four public consultation meetings within CVSPA to exceed the minimum formal meeting requirements. Meeting locations have been identified but detailed planning is being delayed until closer to completion of the technical studies. Further details regarding public consultation within the CVSPA will be made available as soon as possible. In addition to the minimum required consultation, the SPC also authorized Stage 1 consultation sending letters and maps to owners of properties located wholly or partially within well head protection areas (WHPAs). The letter addressed to the specific property owner will advise them of the implications of being in a WHPA, general information on source water protection and how to get further information or participate in public consultation. These property owners will receive individual notification of all public meetings and comment opportunities. These Stage 1 consultation letters will go out as the mapping and scoring of the vulnerability of the WHPAs is complete in that municipality- in advance of the formal Stage 2 consultations.

### **Source Protection Plans**

On January 25, 2010 the Ministry of the Environment posted notice of the Draft Source Protection Planning Regulation on the Environmental Registry (EBR Registry Number 010-8766). To coincide with the posting of this Draft regulation CTC planning staff hosted a meeting of municipal and operational planning staff at Black Creek Pioneer Village on February 8, 2010. This successful meeting was attended by over 30 municipal planning/operational staff from most of the upper, lower and single tier municipalities in the CTC Source Protection Region.

At this meeting CTC staff presented a "*Proposed Work Plan for the Development of Source Protection Plan Policies for the CTC Region*" and received input for revisions from the attendees through a facilitated breakout period (*the SPP workplan is available upon request*). Work on starting the identification of candidate policies for inclusion in the source protection plans to be developed for CVSPA and the other two source protection areas are planned to start in the spring of 2010 in parallel with the work to complete the assessment report. Municipal staffs have been asked to advise us if and how they want to participate in this municipally co-lead activity. Depending upon their response, amendments may be required to the approved CTC Terms of Reference (TOR) documents. Input received from the municipalities regarding their desired involvement in the Source Protection Planning work will allow staff to clarify source protection planning tasks within the TOR.

### **NEXT STEPS**

The next CTC SPC Chair's quarterly report will be delivered in June 2010 and will provide an update on the *Draft* Assessment Report work, public consultation planning for the '*Draft* Assessment Report: CVSPA' and Source Protection Planning. CTC staff anticipate that a draft version of the '*Draft* Assessment Report: CVSPA' will be made available to the Source Protection Authority for review in late August.

### **Attachment 3 - Chairs Quarterly Report TRSPA**

TO: **Chair and Members of the Toronto and Region Source Protection Authority**

FROM: **Susan Self, Chair, CTC Source Protection Committee**

RE: **CTC Chair's Quarterly Report to Toronto and Region Source Protection Authority**

KEY ISSUE: Receipt of the Second CTC Chair's Quarterly Report

#### **RECOMMENDATION**

**THAT TRSPA receives this report as the 2nd Chair's Quarterly Reports from the CTC Source Protection Committee Chair.**

#### **BACKGROUND**

As required by Section 21 of the *Clean Water Act, 2006* the CTC Source Protection Committee must provide a quarterly report to each of the Source Protection Authorities within the CTC Source Protection Region. The CTC Chair, in agreement with the CAO of **Toronto and Region Source Protection Authority**, will provide written quarterly reports in the months of December, March, June and September until the Source Protection Plan is submitted in August, 2012. It is the preference of all three Source Protection Authorities within the CTC Source Protection Region that these quarterly reports be received by the Conservation Authority board and accepted as correspondence by the Source Protection Authority at the subsequent convened Source Protection Authority meeting.

#### ***Draft Assessment Report: TRSPA***

Technical studies within the TRSPA have been delayed with significant impact to the development of the '*Draft Assessment Report: TRSPA*'. CTC technical staff anticipate sending a request to the Ministry of the Environment which will extend the deadline for submission of the '*Proposed Assessment Report: TRSPA*' until October 2010.

The following table provides an update on the current status of technical studies within the TRSPA to be included in the initial Assessment Report (Future amendments to the Assessment Report will be required for Tier 3 Water Budget and Intake Protection Zone 3 delineation and drinking water threats modelling). The majority of these studies are being prepared by consultants under the supervision of the municipality responsible for the water system.

## Status of Technical Studies in TRSPA – February 2010

	Toronto	Peel Region	York Region	Durham Region
<b>Well Head Protection Area delineation</b>	N/A	Complete	In Peer Review	In Peer Review
<b>Vulnerability Analysis</b>	N/A	Complete	In Peer Review	In Peer Review
<b>Transport Pathways</b>	N/A	Additional refinement required	Additional refinement required	In Peer Review
<b>Threats Assessment</b>	N/A	Not yet received	Not yet received	Not yet received
<b>Highly Vulnerable Aquifer delineation</b>	In Peer Review	In Peer Review	In Peer Review	In Peer Review
<b>Significant Groundwater Recharge Area delineation</b>	Complete	Complete	Complete	Complete
<b>Significant Groundwater Recharge Area Vulnerability Assessment</b>	In Peer Review with HVA work	In Peer Review with HVA work	In Peer Review with HVA work	In Peer Review with HVA work
<b>Intake Protection Zone 1 &amp; 2 delineation</b>	Modifications underway to refine	Complete	Complete	Complete

### Public Consultation

At SPC Meeting #1/10 on January 18, 2010 the CTC SPC approved and authorized the Communications & Outreach Working Group to plan public consultation for the development of the Assessment Reports which meets the requirements of the *Clean Water Act, 2006*.

The CTC SPC directed staff to hold three public consultation meetings within TRSPA to exceed the minimum formal meeting requirements. Meeting locations have been identified but detailed planning is delayed along with completion of the technical studies. Further details regarding public consultation within the TRSPA will be made available as soon as possible. In addition to the minimum required consultation, the SPC also authorized Stage 1 consultation sending letters and maps to owners of properties located wholly or partially within well head protection areas (WHPAs). The letter addressed to the specific property owner will advise them of the implications of being in a WHPA, general information on source water protection and how to get further information or participate in public consultation. These property owners will receive individual notification of all public meetings and comment opportunities. These Stage 1 consultation letters will go out as the mapping and scoring of the vulnerability of the WHPAs is complete in that municipality - in advance of the formal Stage 2 consultations.

### **Source Protection Plans**

On January 25, 2010 the Ministry of the Environment posted notice of the Draft Source Protection Planning Regulation on the Environmental Registry (EBR Registry Number 010-8766). To coincide with the posting of this Draft regulation CTC planning staff hosted a meeting of municipal and operational planning staff at Black Creek Pioneer Village on February 8, 2010. This successful meeting was attended by over 30 municipal planning/operational staff from most of the upper, lower and single tier municipalities in the CTC Source Protection Region.

At this meeting CTC staff presented a *“Proposed Work Plan for the Development of Source Protection Plan Policies for the CTC Region”* and received input for revisions from the attendees through a facilitated breakout period (*the SPP workplan is available upon request*). Work on starting the identification of candidate policies for inclusion in the source protection plans to be developed for TRSPA and the other two source protection areas are planned to start in the spring of 2010 in parallel with the work to complete the assessment report. Municipal staffs have been asked to advise us if and how they want to participate in this municipally co-lead activity. Depending upon their response, amendments may be required to the approved CTC Terms of Reference (TOR) documents. Input received from the municipalities regarding their desired involvement in the Source Protection Planning work will allow staff to clarify source protection planning tasks within the TOR.

### **NEXT STEPS**

The next CTC SPC Chair's quarterly report will be delivered in June 2010 and will provide an update on the *Draft* Assessment Report work, public consultation planning for the *'Draft Assessment Report: TRSPA'* and Source Protection Planning. CTC staff anticipate that a draft version of the *'Draft Assessment Report: TRSPA'* will be made available to the Source Protection Authority for review in May.

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### **RES.#161/10 -**

### **Assessment Report Consultation Stage 1 and 2**

Update on Stage 1 and 2 consultation for the CTC Assessment Reports.

Moved by: Wendy Burgess  
Seconded by: Doug Brown

**THAT the SPC receives this report for information.**

**CARRIED**

### **BACKGROUND**

At SPC Meeting #1/10 held on Monday, January 18, 2010 the SPC directed CTC staff endorsed the recommendations of the Communications Outreach Working Group (COWG) directing staff to proceed with Stage 1 and Stage 2 consultation throughout the CTC Source Protection Region.

### **Stage 1 Consultation**

At SPC Meeting #8/09 the SPC directed staff to send communications materials to landowners within Wellhead Protection Areas (WHPA) upon SPC acceptance of the mapping and vulnerability assessment for municipal groundwater drinking systems. Due to ongoing delays in the delivery of technical studies within the TRSPA and CVSPA Stage 1 consultation materials have not yet been distributed. It is currently anticipated that Stage 1 consultation will not begin in TRSPA or CVSPA until late March - early April 2010.

As CLOSPA does not have any municipal groundwater drinking supplies (and therefore no WHPAs) Stage 1 consultation does not apply.

### **Stage 2 Consultation – Lake Ontario Water Systems**

At SPC Meeting #1/10 held on Monday, January 18, 2010 the SPC approved a proposed list of venues for the consultation of the CTC Assessment Reports and directed staff to plan 9 public consultation meetings within the CTC Source Protection Region between April 26 and May 6. Due to delays in the delivery of groundwater vulnerability studies within the TRSPA and CVSPA the regulatory Stage 2 consultation has been postponed in areas serviced by groundwater. It is anticipated that public consultation for groundwater systems in the TRSPA will proceed in June and that public consultation for groundwater systems in the CVSPA will proceed in September, pending extensions to the assessment report submission dates from the Ministry of the Environment. Staff will report back on the details of the planned groundwater consultation sessions - locations and dates when the completion dates for the technical studies are confirmed.

Two public consultation meetings are being planned with respect to Lake Ontario drinking water systems. One of these meetings is scheduled within CLOSPA to meet the minimum Assessment Report consultation requirements of the *Clean Water Act, 2006*. This meeting is currently being planned for May 4, 2010 at Cullen Central Park, Whitby. In addition to satisfying the public consultation requirements this meeting will provide an update of the ongoing Lake Ontario Collaborative work which will be included in the amended Assessment Report for CLOSPA.

A second meeting regarding Lake Ontario drinking water systems is being planned for May 11, 2010 at the Gladstone Hotel, Toronto in conjunction with the Lake Ontario Evenings hosted by the TRCA. While this date may not meet the notification requirements for a formal Stage 2 consultation date for the TRSPA, we will try to provide the opportunity for public comment and discussion on source water related Lake Ontario matters.

### **NEXT STEPS**

Staff will report back at SPC meeting #3/10 on March 30, 2010 with an update on consultation status and plans for the CTC Assessment Reports.

**Report prepared by: Nicholas Schulz, extension 5392**

**Emails: nschulz@trca.on.ca**

**For Information contact: Nicholas Schulz, extension 5392**

**Emails: nschulz@trca.on.ca**

**Date: February 10, 2010**

**RES.#162/10 -**

**Communications Update**

Update on the development of the e-learning module communications tool and ongoing communications activities within the CTC SPR.

Moved by: Heather Laidlaw  
Seconded by: Juli Abouchar

**THAT the SPC receives this report for information.**

**CARRIED**

**BACKGROUND**

CTC communications staff continue to conduct general outreach to educate residents of the CTC Source Protection Region on the importance of the *Clean Water Act, 2006* and the work of the CTC Source Protection Committee.

**E-Learning Water Budget Module**

Staff has developed with the Haight consulting firm, a tool to provide the interested public with an on-line self-directed learning opportunity to understand more about water budgets.

Currently this module is available for review in draft form. Audio narration will be incorporated into the module and prior to its release to the public. The draft module can be found on-line at <http://www.exodevelopment.com/trca/waterbudget/>.

This learning module provides interested individuals with an interactive opportunity to gain a better understanding of the Water Budget work including how water quantity threats are identified, the tiered process and how the source protection committee will use this work to inform the *Source Protection Plans*. Once final audio is complete this module will be made available on the CTC Source Protection Committee's website ([www.ctcswp.ca](http://www.ctcswp.ca)) and will be part of the interactive displays planned for Stage 2 public consultations and at other public events. Upon request, copies will be made available on disc to individuals who do not have high speed internet access.

CTC staff are currently working with Haight to complete a similar e-learning module to educate public stakeholders on the Wellhead Protection Area delineation, Vulnerability Assessments and Threats and Issues Assessment work.

**Outreach Meetings and Events**

Starting in January through the submission of the Assessment Reports in 2010, CTC Communications staff will focus their efforts on the Stage 1 and Stage 2 public consultations, including developing display materials and other communications support. General outreach efforts will need to be limited during this high activity period but efforts will be made to continue building relationships with stakeholder groups within the CTC SPR.

### Upcoming Opportunities

#### February 26 - 28 - Thirsty Minds: Youth Round Table on Ontario Drinking Water

- Youth4Water will be hosting an inter-generational round table to discuss the politics of our water and how we can protect it for generations to come. CTC communications staff will set up the "It Starts With A Drop" mural and attend the event on Friday, February 26.
- CTC SPC members are invited by Youth4Water to attend as much of the round table as they are able to. In particular members are invited to attend on Friday, February 26 between 2:00 PM and 6:00 PM. If you would like to attend please RSVP to rehana.tejpar@unac.org as soon as possible.

#### February 27 - 11th Annual Stewardship Forum: A Ripple Effect

- CTC communications staff will attend the 11th annual stewardship forum at the Toronto Botanical Gardens and set up the "It Starts With A Drop" mural.
- This free event is a networking and learning opportunity for folks in the GTA interested in conservation, restoration and stewardship issues.
- The theme of this year's event is "water" and will feature keynote speaker Alanna Mitchell, author and journalist. She will speak about her latest book *Sea Sick, The Hidden Crisis in the Global Ocean*.

#### March 20 - World Water Day 2010

- CTC communications staff are currently in discussions with Riversides, Lake Ontario Waterkeepers, Youth4Water, Lost Rivers and Human River to put together an event around World Water Day 2010.
- Initial discussions have proposed a waterfront walk and theatrical presentation at Steam Whistle Brewery integrating local musical acts. Additional information will be provided to SPC members as plans develop.

#### March 23 - Lake Ontario Evening: Bio-Diversity Focus

- A second Lake Ontario Evening speakers night is planned for March 23, 2010 at the Gladstone Hotel, Toronto. The theme of this night is bio-diversity and CTC staff will attend with communications material regarding Source Water Protection.
- Although this meeting will not address source water protection directly it has value in that it will strengthen relationships with key environmental groups within the CTC Source Protection Region. Members are encouraged to attend this meeting for their information.

#### May 11 - Lake Ontario Evening: Lake Ontario's Nearshore

- The third Lake Ontario Evening speakers night is tentatively being planned for May 11, 2010 at the Gladstone Hotel, Toronto. The proposed theme for this night is "Lake Ontario's Nearshore" and will highlight some of the work being conducted under the Lake Ontario Collaborative.
- This meeting will be the week prior to the International Association for Great Lakes Research (IAGLR) conference which is being held in Toronto May 17 - 21. TRCA staff propose using this evening as a preview of IAGLR presentations in a more high-level, public friendly manner.

May 17 - 21 International Association for Great Lakes Research (IAGLR)

- This is the 53rd annual conference Great Lakes Research and is being held this year in Canada at the University of Toronto May 17 - 21
- It is intended to explore how far research science in the Great Lakes and large lakes around the world has come over the decades, highlighting the science and policy research that has helped to improve and protect some aspects of the Great Lakes around the world has come over the decades, and is aimed at the interested researcher, technical and policy audience
- A number of papers will be presented in different sessions related to the work of the Lake Ontario Collaborative, including at a session focused on source water protection chaired by Martin Keller, MOE. The program and registration information will be made available in the near future at <http://www.iaglr.org/conference/>.

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**Date: February 10, 2010**

**Attachments:**

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## **11. NEW BUSINESS**

### **TERMINATION**

ON MOTION, the meeting terminated at 2:41 PM., on Monday, February 22, 2010.

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Susan Self  
Chair