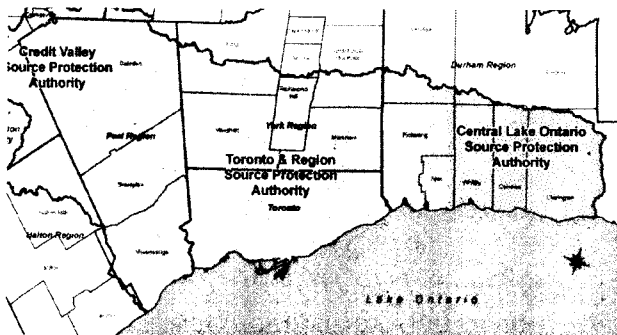




CTC SOURCE PROTECTION REGION



REGION OF YORK
CLERK'S OFFICE

FILE No. - P42

CTC SOURCE PROTECTION COMMITTEE

June 17, 2011

Denis Kelly
Regional Clerk
Regional Municipality of York
17250 Yonge Street PO Box 147
Newmarket, ON
L3Y 6Z1



Dear Denis Kelly

NOTICE of CONSULTATION FOR THE ATTENTION OF COUNCIL

Deadline for Comment – July 18, 2011

***Draft Updated Proposed Assessment Report(s): Toronto and Region Source Protection Area
Pursuant to the Clean Water Act, 2006 (the Act) and Ontario Regulation 287/07***

Municipalities in a source protection area affected by the update of an Assessment Report must be notified of the opportunity to make comment on the draft of the updated assessment report before they are submitted to the source protection authority. Changes to the Toronto and Region Source Protection Area's Assessment Report(s) affect your municipality.

Background

The Ontario *Clean Water Act, 2006* and the associated Regulations have prompted the formation of the CTC Source Protection Committee. The mandate of this Committee is to develop a science-based Source Protection Plan to ensure the protection of clean and plentiful municipal drinking water sources. The Region of York's representative on the committee is Laura McDowell, Director, Environmental Protection, Region of York.

The first task of the Source Protection Committee was to develop its own Terms of Reference (TOR) for each of the three Source Protection Areas within the CTC Source Protection Region. The Terms of Reference outlined all the steps to be taken to develop and implement a Source Protection Plan. The TOR for the Toronto and Region, Credit Valley and Central Lake Ontario Source Protection Areas of the CTC Source Protection Region were approved by the Ministry of the Environment on August 17, 2009.

The second step in the process was to develop an Assessment Report (AR) for each Source Protection Area in the CTC Source Protection Region. The Assessment Reports identify vulnerable areas where municipal drinking water sources might face a risk of contamination or depletion and identifies drinking water threats within those vulnerable areas. After two consultation periods, the Proposed Assessment

Reports for the Credit Valley, Toronto and Region and Central Lake Ontario Source Protection Areas were submitted by December 21, 2010. Following their submission, more technical work was finished and the Assessment Reports have been updated. This update has now been released for public consultation.

The *Draft Updated Proposed Assessment Report(s): Toronto and Region Source Protection Area* now includes information on potential significant threats to drinking water sources in Lake Ontario. This change impacts the Region of York. The *Draft Updated Proposed Assessment Report(s): Toronto and Region Source Protection Area* is available for comment on the CTC Source Protection website at www.ctcswp.ca or by request to sourcewater@trca.on.ca.

The Source Protection Plan

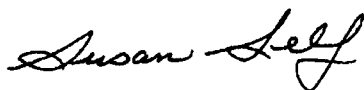
The CTC Source Protection Committee must develop policies which address significant drinking water threats within the Source Protection Plan. The Source Protection Committee has a number of tools at their for use in the source protection plan, including:

1. Prescribed Instruments (provincial approvals such as Certificates of Approval)
2. Risk Management Plans (site-specific plans negotiated with owner and Risk Management Official)
3. Prohibition of Activities (prohibition will only be used when no other tool will suffice)
4. Restriction of Activities (for example using municipal planning tools under the *Planning Act*)
5. Education and Outreach and Incentive Programs
6. Combination of the above

Should you or your council require further information please discuss your needs with your municipal representative Laura McDowell or Beverley Thorpe, CTC Project Manager (416-661-6600 extension 5752) and we will be pleased to provide the necessary information. If your council would like further information, a presentation or a discussion with staff or councillors, please let Laura McDowell or our staff know.

The Committee will consider carefully any comments your municipality makes. Comments and copies of any council resolutions should be sent to me by July 18, 2011 at 5 Shoreham Drive, Downsview ON M3N 1S4, by fax at 416-667-6278 or by email to sourcewater@trca.on.ca. Thank you for your consideration of the foregoing as we all share in the important work to protect our current and future sources of drinking water.

Yours truly,



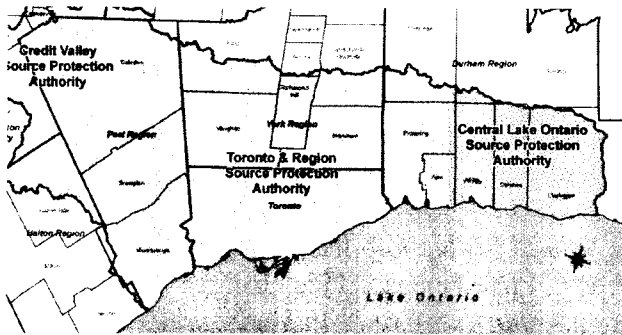
Chair, CTC Source Protection Committee

Enclosure

cc. cover letter only

Laura McDowell, Director, Environmental Protection, Region of York, CTC Source Protection Committee

Beverley Thorpe, CTC Project Manager



CTC SOURCE PROTECTION REGION



CTC SOURCE PROTECTION COMMITTEE

June 17, 2011

Susan Lathan
Regional Clerk
Regional Municipality of Halton
1151 Bronte Rd
Oakville, ON
L6M 3L1

Dear Susan Lathan

NOTICE of CONSULTATION FOR THE ATTENTION OF COUNCIL
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Pursuant to the *Clean Water Act*, 2006 (the Act) and Ontario Regulation 287/07

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Background

The Ontario *Clean Water Act*, 2006 and the associated Regulations have prompted the formation of the CTC Source Protection Committee. The mandate of this Committee is to develop a science-based Source Protection Plan to ensure the protection of clean and plentiful municipal drinking water sources. The Halton Region's representative on the committee is David Kentner, Councillor, Town of Halton Hills.

The first task of the Source Protection Committee was to develop its own Terms of Reference (TOR) for each of the three Source Protection Areas within the CTC Source Protection Region. The Terms of Reference outlined all the steps to be taken to develop and implement a Source Protection Plan. The TOR for the Toronto and Region, Credit Valley and Central Lake Ontario Source Protection Areas of the CTC Source Protection Region were approved by the Ministry of the Environment on August 17, 2009.

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Yours truly,



Chair, CTC Source Protection Committee

Enclosure

cc. cover letter only

David Kentner, Councillor, Town of Halton Hills, CTC Source Protection Committee
Beverley Thorpe, CTC Project Manager

Water

Talk



DRINKING WATER SOURCE PROTECTION

ACT OR CLEAN WATER

CTC Source Protection Region Newsletter
Summer 2011

Assessment Reports

Updates to the Assessment Reports for the three Source Protection Areas that make up the Credit Valley, Toronto and Region, and Central Lake Ontario (CTC) Source Protection Region have been completed, and are undergoing a period of public consultation from the 17th of June to the 18th of July before being submitted to the Provincial Ministry of the Environment by the end of July.

The updates include information about Lake Ontario drinking water sources, and "Issues" found in drinking water in several communities. The Assessment Reports can be found at our website at www.ctcswp.ca or by requesting an electronic copy by email to sourcewater@trca.on.ca.

What is an "Issue?"

Through further study in the Credit Valley Source Protection Area "Issues" were found in a number of municipal drinking water systems. Issues can involve chemicals or bacteria that are "present at a concentration that may result in the deterioration of the quality of the water for use as a source of drinking water." Under the *Clean Water Act, 2006*, the Source Protection Committee must try to determine what is causing the deterioration and how to address it. For example, in the Georgetown area of Halton Hills, a sodium and chloride Issue has been identified in the water coming from the municipal wells.

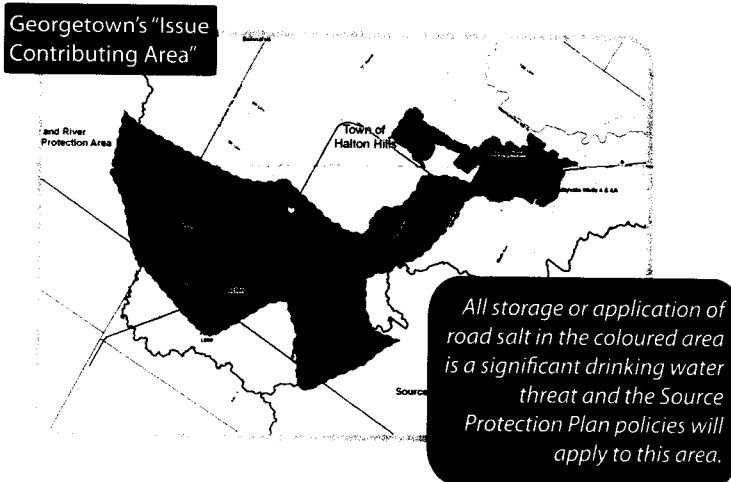
These levels are projected to increase over time, resulting in the deterioration of the drinking water source. The levels of the sodium and chloride are still below the Ontario Drinking Water Quality Standards of 200 mg/l. Sodium levels of 20 mg/l, or greater result in notifications from the local health unit as this level is of concern for people on sodium reduced diets.

An Issue is defined by rising levels of the contaminant of concern. The Source Protection Committee is mandated under the *Clean Water Act* to investigate what is causing any Issue it identifies.

Issue Contributing Areas

The "Issue Contributing Area" is determined by scientists working for the Source Protection Region. It is the geographic area which encompasses the source(s) of the Issue.

Under the *Clean Water Act*, all activities that contribute to the Issue in the Issue Contributing Area become significant drinking water threats. In the Georgetown example, it means that all spreading and storage of road salt in the Issue Contributing Area is a significant threat to drinking water (see map).



Consultants working on behalf of the Source Protection Committee have been investigating what is causing the Issues across our region. Other than the Georgetown area, Issues have been identified in the Acton and Orangeville areas for sodium and chloride, Inglewood for bacteria, and Acton's Davidson well for nitrates. More information about these Issues is available in the Updated Assessment Report for the Credit Valley Source Protection Area (available on our website at www.ctcswp.ca).

When the Source Protection Plan is released to the public in early 2012, there will be policies written to address significant threats in Issue Contributing Areas. If you live in one of these areas, you can sign up for our electronic news list and stay up to date at our website.

Lake Ontario Drinking Water Threats

Another update to the Assessment Reports in the CTC Source Protection Region is work that has been completed on Lake Ontario drinking water sources. Over the past several years, a group called the Lake Ontario Collaborative has been doing studies on all the drinking water intakes in Lake Ontario from Niagara through to the Bay of Quinte. The CTC Source Protection Region has been actively involved in this process, which is lead by the Region of Peel. The results of this study have been published in the updated Assessment Reports for the three Source Protection Areas of the CTC. In order to identify some potential threats to drinking water sources in Lake Ontario, a number of scenarios were modeled to determine if a catastrophic event such as a chemical spill, or a large storm would affect the drinking water sources. Eight types of spill scenarios were modeled which resulted in four types being identified as potential significant drinking water threats in the CTC Region. These include the rupture of an oil pipeline, spills at the nuclear power plants along the lake, the bulk storage of gasoline and a bypass at any one of the municipal sewage treatment plants along the lake. Though these scenarios are very unlikely, this information gives the Committee the tools to write policies that will help emergency responders.

Meet a Source Protection Committee member David Kentner

Dave Kentner is a Halton Hills Councillor representing Ward 3 (Historic Georgetown). Dave is a member of The Sierra Club, Friends of the Green Belt, Credit Valley Heritage Society, The North Halton Celtic, The Halton Hills Environmental Advisory Committee and the Mayor's Green Task Force. Dave sits on the Board of Conservation Halton.

Bob Burnside

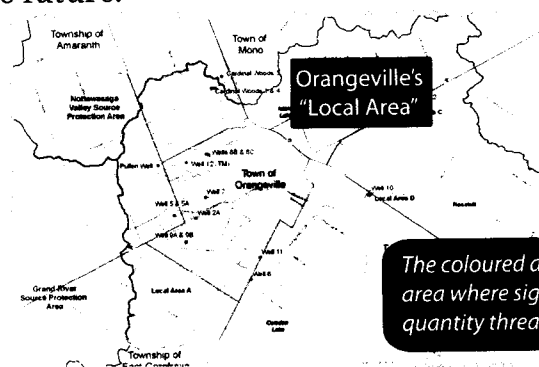
Bob Burnside represents 7 municipalities in the upper Credit watershed on the CTC SPC. He is a retired consulting engineer and resides in Mono. Bob is a past President of Orangeville Rotary, Chair of the capital fundraising campaign for Headwaters Hospital, Founding Chair of Highlands YFC, serves on an advisory Board for Georgian College and is active in church related activities. He and his wife Nancy have 4 children and 14 grandchildren all in the immediate area.

Quantity Threats

In the Orangeville area, consultants working for the Source Protection Region and the Ministry of Natural Resources have recently completed what is called a "Tier 3 Water Budget" for the Orangeville area. Whereas previous studies have concentrated on the *quality* of the municipal drinking water in Orangeville, this is a study of water *quantity*. This study has determined that there are or could be municipal drinking water quantity stresses. As part of this study, a new vulnerable area was drawn around the affected municipal wells where certain activities are water quantity threats. The map shows the area where there may be potential water quantity threat activities. The Source Protection Plan will apply to residents and businesses undertaking a water quantity threat activity currently or in the future.

What activities are water quantity threats?

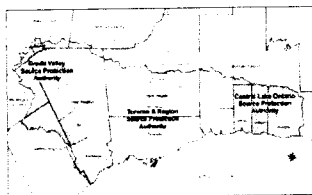
- 1) An activity that takes water from an aquifer or a surface water body without returning the water taken to the same aquifer or surface water body. (e.g. a well, including private wells)
- 2) An activity that reduces the recharge of an aquifer. (e.g. paving over an area which would prevent rain and snow melt from soaking into the ground)



The coloured area is the area where significant quantity threats can exist.

Development of Source Protection Plans

In mid June, the Committee sat down and drafted a preliminary document which began the formal development of the Source Protection Plans. Later this fall, the Committee will consult with bodies designated to implement the Source Protection Plan (such as municipalities and the province). In the early spring of 2012 an extensive 6-month consultation will take place where the public will have two opportunities to comment on the policies that the Committee has written. Residents who will be impacted by the plans will be notified and open houses will be held to help explain the Source Protection Plan policies to residents.



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