

DRINKING WATER SOURCE PROTECTION

ACT FOR CLEAN WATER

TRENT
CONSERVATION
COALITION
SOURCE PROTECTION
REGION

SOURCE PROTECTION COMMITTEE MEETING #28

APRIL 19: NORWOOD COMMUNITY CENTRE

APRIL 20: CURVE LAKE COMMUNITY CENTRE

MINUTES

SOURCE PROTECTION COMMITTEE MEMBERS:

- Jim Hunt, Chair
- Monica Berdin, Recreation/Tourism
- Darla Blodgett, Hiawatha First Nation
- Tom Cathcart, Health Unit Liaison
- Bill Cornfield, Drinking Water Expert
- Edgar Cornish, Agriculture
- Pam Crowe, Alderville First Nation
- Roberta (Bobbie) Drew, Public-Rural *
- Dave Golem, Municipal
- Jim Kelleher, Source Protection Authority Liaison
- Rosemary Kelleher-MacLennan, Municipal
- Robert Lake, Economic Development
- Wendy Lavender, MOE Liaison
- Gerald McGregor, Municipal
- Glenn Milne, Agriculture
- Terry Rees, Waterfront Landowner
- Mary Smith, Municipal
- Bev Spencer, Agriculture
- Richard Straka, Municipal
- Wayne Stiver, Drinking Water Expert
- Matt Taft, Public-Urban *
- Mae Whetung, Curve Lake First Nation
- Dave Workman, Industrial/Commercial

REGRETS:

- Alanna Boulton, Trent Severn Waterway
- Dave Burton, Municipal
- Bruce Craig, Municipal
- Kerry Doughty, Aggregate/Mining

* Day 2 only

COMMITTEE SUPPORT STAFF:

- Glenda Rodgers, Project Manager
- Marilyn Bucholtz, Communications Coordinator
- Myriam Genet, Administrative Assistant

PRESENTERS:

- Janet Noyes, XCG Ltd.
- Lloyd Lemon, GENIVER
- Donna Bigelow, MOE
- Michelle Whetung, Curve Lake First Nation

GUEST SPEAKERS:

- Chief Knott
- Elder Taylor
- Mrs. Knott

CONSERVATION AUTHORITY STAFF:

- CVCA: Vicky Woolfrey
- GRCA: Mark Peacock
- KRCA: Mark Majchrowski, Jessica Mueller
- ORCA: Meredith Carter, Nicole Pykkonen
- TCC Regional Staff: Andrew Doiron, Shan Mugalingam

OTHERS:

- Lucy Burke, City of Kawartha Lakes
- Megan Rhymer, XCG Ltd.
- Members of Curve Lake First Nation Rights and Resources Committee

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Day 1, April 19, 2010: Norwood

1. Call to Order

The Meeting was called to order at 10:05 a.m. Chair Hunt welcomed Committee Members and Staff. Chair Hunt introduced and welcomed Dave Workman as the new Commercial/Industrial Representative.

2. Welcome to the Township of Asphodel-Norwood

On behalf of the Reeve, Deputy Reeve and Chief Administrative Officer, Meredith Carter welcomed Committee Members to the Township of Asphodel-Norwood. The Township is pleased the Committee chose to meet at the Community Centre, a new facility Council Members are very proud of. The Township places value on natural environments and recognizes the excellent work being done by the Committee.

Meredith reminded Members that after the meeting, there would be an opportunity to visit the Millpond, to see a restoration project completed by multi-partnerships.

3. Disclosure of any Conflicts of Interest

There were no disclosures.

4. Approval of the Agenda

SPC: 2010-04-19/20-01

By consensus, Committee Members approved the agenda with the revision: replace item 18 with Staff Memo #13/10.

5. Delegations

There were no delegations.

6. Approval of Minutes from last meeting (March 10, 2010)

SPC: 2010-04-19/20-02

By consensus, Committee Members approved the minutes of March 10, 2010 after correcting the attendance error on page one.

7. Business arising from minutes of last meeting

There was no business arising.

8. Correspondence

a. Letter from Judan Enterprises, Dated March 29, 2010 (responding to March 16, 2010 TCC letter re: proposed Sewage Treatment Plant at Bayside)

Glenda Rodgers indicated that she did not feel that a response was necessary at this point. She indicated that Judan Enterprises suggested that the vulnerability score of 8 was incorrect as this score is not possible for a Great Lake intake. Glenda indicated that the Bay of Quinte is

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treated as an inland lake (Director's approval has been received) and therefore the vulnerability score of 8 is valid.

Bill Cornfield asked if Staff has the schedule for the Environmental Assessment process.

Action: Wendy Lavender indicated that she would verify if the schedule is available.

- b. Letter from County of Peterborough re: resolution endorsing the Committee's recommendation concerning funding.***
- c. Ontario Drinking Water Stewardship Program Interim Progress Report 2007-2010.***

SPC: 2010-04-19/20-03

By consensus, the Committee accepted all correspondence as information.

9. Assessment Report Schedule

Glenda Rodgers reviewed the schedule. Completion of the draft proposed Assessment Reports for public consultation is still anticipated by the end of May. Chair Hunt indicated he was pleased with the progress.

10. Overview of Tier 2 Water Budgets – XCG Presentation

Janet Noyes provided an overview of Tier 2 Water Budgets for Lindsay, Havelock, Colborne and Brighton.

Discussion followed:

- Bob Lake inquired about the probability of a 2 to 10-year drought. Janet responded that these scenarios were set out in the Technical Rules.
- Mary Smith asked if further dye testing was done. Janet replied that a combination of orange float tests and modeling was used instead. The lack of high flows this spring resulted in a higher reliance in the use of models.
- There was considerable discussion about the Ethanol Plant in Havelock and their water takings. Janet reported there is no active permit in the MOE database. Edgar Cornish questioned this statement. If less than 50,000 litres is taken per day, no permit is necessary. Bev Spencer wondered how one knows if more than 50,000 litres is taken. Wendy Lavender indicated that if there was no complaint, the MOE would not know.

To view Janet's presentation visit: www.trentsourceprotection.on.ca

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11. Recommendation to accept Tier 2 Water budgets – Glenda Rodgers / Shan Mugalingam

a. Lindsay (staff report #05/10)

SPC 2010-04-19/20-04

By consensus, the Committee accepted Staff's recommendation:

That the results of the tier 2 water budget and water quantity stress assessment indicating a low water quantity stress for the sub-watersheds contributing to Lindsay municipal intake, completed by XCG Consultants Ltd. for the Trent Conservation Coalition Source Protection Region as presented in the Final Report, Tier 2 Water Budget: Lindsay Sub-watershed, March 4, 2010 and illustrated in the attached tables and mapping prepared by XCG be accepted by the Source Protection Committee for inclusion in the Trent Conservation Coalition draft proposed Assessment Reports.

b. Colborne/Brighton (staff report #06/10)

SPC 2010-04-19/20-05

By consensus, the Committee accepted Staff's recommendation:

That the results of the tier 2 water budget and water quantity stress assessment indicating a low water quantity stress for the sub-watersheds associated with Colborne and Brighton Municipal Wells, completed by EarthFX Inc. for the Trent Conservation Coalition source Protection Region as presented in the Draft Report, Tier 2 Water Budget Analysis and Water Quantity Stress Assessment for Lake Ontario Sub-Watersheds 1 and 3 in the Brighton and Colborne Area, March 18, 2010 and illustrated in the attached tables and mapping prepared by EarthFX be accepted by the Source Protection Committee for inclusion in the Trent Conservation Coalition draft proposed Assessment Reports.

12. Recommendation to accept the Final threats Assessment for XCG Northern municipal well systems (staff report #07/10)

SPC 2010-04-19/20-06

By consensus, the Committee accepted Staff's recommendation:

That the results of the significant threats enumeration completed by XCG Consultants Ltd. outlined in Draft Technical Memorandum #4 TRENT CONSERVATION COALITION SOURCE PROTECTION REGION SIGNIFICANT THREATS ENUMERATION FOR SEVEN MUNICIPAL GROUNDWATER SOURCED DRINKING WATER SYSTEMS, Northern Region January 2010), be accepted by the Source Protection Committee for inclusion in the Trent Conservation Coalition draft proposed Assessment Report (for the Kawartha-Haliburton, Otonabee-Peterborough and Crowe Valley Source Protection Areas).

13. Recommendation to accept the Final threats Assessment for Fraserville Planned municipal well system (staff report #08/10)

SPC 2010-04-19/20-07

By consensus, the Committee accepted Staff's recommendation:

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That the results of the significant threats enumeration completed by XCG Consultants Ltd. For the Planned Fraserville Municipal Well systems, as presented in Draft Technical Memorandum #6, SIGNIFICANT THREATS ENUMERATION FOR ONE PLANNED MUNICIPAL GROUNDWATER SOURCED DRINKING WATER SYSTEM – FRASERVILLE, February 2010), be accepted by the source Protection committee for inclusion in the Trent Conservation Coalition draft proposed Assessment Report (for the Otonabee-Peterborough Source Protection Area).

14. Threats finding (Surface Water) – 6 City of Kawartha Lakes Intakes – XCG Presentation

Janet Noyes provided an overview of findings and responded to questions.

Discussion followed:

- Monica Berdin inquired about a landfill site in Lindsay and asked how it was rated. Janet explained that if it was in neither IPZ-1 or IPZ-2 it was not considered.
- The Committee engaged in a general discussion concerning land uses such as cemeteries being within protection zones.

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| Action: Wendy Lavender will investigate why cemeteries are not on the MOE threats tables. |
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- Gerald McGregor reported that staff was investigating the impacts of waterfowl droppings for Bobcaygeon. Glenda reported that MOE has yet to respond to the original request to add this local threat for Peterborough and Lakefield and suggested waiting to hear back before making additional requests.
- Glenda indicated that additional flow studies would have been beneficial for Intake Protection Zone 2 for Kinmount, but because of the lack of runoff, this was not possible this year. A high uncertainty is assigned to the IPZ-2 for Kinmount.

To view Janet’s presentation see: www.trentsourceprotection.on.ca

15. Recommendation to accept final Vulnerability, Issues, and Threats for 6 surface water intakes (City of Kawartha Lakes) Studies (staff report 09/10)

SPC 2010-04-19/20-08

By consensus, the Committee accepted Staff’s recommendation:

That the results of the vulnerability, issues and threats assessments completed by XCG Consultants Ltd. for the six municipal surface water intakes outlined in the following reports:

Technical Memorandum #1 (DRAFT – R2), CITY OF KAWARTHA LAKES TRENT CONSERVATION COALITION SOURCE PROTECTION REGION VULNERABILITY ASSESSMENT FOR SIX MUNICIPAL SURFACE WATER SOURCED DRINKING WATER SYSTEMS, October 2009.

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Technical Memorandum # 1 (DRAFT - Revision 1) CITY OF KAWARTHA LAKES TRENT CONSERVATION COALITION SOURCE PROTECTION REGION ISSUES EVALUATION FOR SIX MUNICIPAL SURFACE WATER SOURCED DRINKING WATER SYSTEMS, December 2009.

Technical Memorandum # 3 (DRAFT) CITY OF KAWARTHA LAKES TRENT CONSERVATION COALITION SOURCE PROTECTION REGION SIGNIFICANT THREATS ENUMERATION FOR SIX MUNICIPAL SURFACE WATER SOURCED DRINKING WATER SYSTEMS, March 2010.

be accepted by the Source Protection Committee for inclusion in the Trent Conservation Coalition draft proposed Assessment Report (for the Kawartha-Haliburton Source Protection Area.)

16. Issues and Threats findings for 13 City of Kawartha Lakes municipal wells – GENIVAR presentation

Lloyd Lemon provided an overview of findings and responded to questions.

There was considerable discussion surrounding oil tanks and the assumption that all residents have converted to natural gas.

Action: Glenda Rodgers and Lloyd Lemon will further discuss oil tanks and the assumption made.

17. Recommendation to accept final vulnerability Issues and Threats for Orono, Blackstock, Greenbank and Port Perry (Region of Durham) – (Staff report #11/10)

SPC 2010-04-19/20-09

By consensus, the Committee accepted Staff's recommendation:

That the findings of the Draft GENIVAR Reports entitled: "Assessment of Drinking Water Threats – Municipal Groundwater Supplies, The Regional Municipality of Durham" (February 18, 2010), as summarized in the attached, be accepted by the Source Protection Committee for inclusion in the draft proposed Assessment Report for the Ganaraska Region and Kawartha-Haliburton Source Protection Areas.

18. Recommendation to accept the final Groundwater Vulnerability: Grafton, Colborne & Brighton (staff report #13/10)

SPC 2010-04-19/20-10

By consensus, the Committee accepted Staff's recommendation:

That the results of the vulnerability studies completed by EarthFX for the Grafton, Colborne and Brighton municipal well systems as presented in Wellfield Vulnerability analysis for Grafton, Colborne and Brighton, March 2010, be accepted by the Source Protection Committee for inclusion in the Trent Conservation Coalition draft proposed Assessment Report (Lower Trent Source Protection Area).

The meeting officially adjourned for the day at 2:35 p.m.

A tour of the Norwood Mill Pond shoreline Restoration Project followed.

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Committee members had an opportunity to view an Ontario Drinking Water Stewardship Program Early Actions Project at the Norwood Millpond. The project included the planting of native vegetation along the shoreline to reduce soil erosion, deter Canada geese from congregating along the beach and enhance the overall shoreline habitat of the pond.

Day 2, April 19, 2010: Curve Lake

19. Call to Order

Chair Hunt called the meeting to order at 10:05 a.m. Mae Whetung was thanked for her assistance in organizing the day's meeting.

20. Welcome to Curve Lake First Nation

Mae Whetung introduced Chief Knott. She said he was very well respected and was proud to introduce him.

Chief Knott welcomed the Committee and spoke about the importance of water, not only in First Nation communities but worldwide. He said that while we should enjoy water, we also needed to preserve it for future generations. He suggested that it takes a community to raise a child; but it takes cooperation across the world to develop a process for protecting our waters. The Committee's work was one of the steps in this process.

Chief Knott spoke of the years to come, when Committee Members will reflect on this work and will be proud of their contribution. He thanked Committee Members for choosing Curve Lake for the meeting and hoped that they would enjoy the community.

21. First Nation Participation in Source Protection – MOE Presentation

Donna Bigelow provided an overview of the opportunities available to First Nations to be engaged in the source protection planning process including:

- Representation on the Source Protection Committee
- Request inclusion of their drinking water system in the planning process
- Capacity funding (\$10,000/year) to assist First Nations representatives on the Committee to liaise with their community

To see Donna's presentation visit www.trentsourceprotection.on.ca.

22. Overview of Curve Lake Drinking Water Systems

Michelle Whetung provided an overview of the prescreening survey completed last summer to assess water supply systems within the Curve Lake First Nation. The level of information on locations of wells and septic tanks was greatly improved using GPS. Residences are primarily on private wells or shore wells. Communal servicing exists for some facilities including the health centre, community centre, band office, daycare, school and one subdivision. The surveys provided a good opportunity to

interact with residents. Concerns with outhouses and holding tanks highlight the need for land use policies to ensure development is not adversely impacting water quality.

23. Recommendation re: Landowner notification regarding significant threats (staff report #12/10)

There was considerable discussion on the draft letter. Many felt that the tone of the letter was too forceful, while others felt it was necessary.

A sub-committee was formed (Bev Spencer, Wayne Stiver and Rosemary Kelleher-MacLennan) to draft a revised letter. All members were encouraged to provide additional feedback.

Action: Glenda will work with the subcommittee to prepare a revised draft and distribute it to the broader Committee for further review/comments.

24. Director's Approvals for various requests

a. Letter from MOE dated April 8, 2010 re: response to TCC SPC's request to use an alternate classification for the Bayside intake under Rule 55.1 of the Director's Technical Rules.

The letter notified the Committee that the request to classify the intake as Type D was approved. The hydrodynamics and water quality of the Bay of Quinte are distinct from that of Lake Ontario. This approval allows the Bay of Quinte to be treated as an inland lake as opposed to a Great Lake.

Glenda Rodgers noted that Director's Approval is also pending for revising the Tier 1 Water Budget study year and adding maintenance of parkland that attracts congregations of Canada Geese as a threat

25. Reports/Updates

a. Staff

Marilyn Bucholtz reported that she had extra factsheets (Assessing Water Sources to Protect Drinking Water) and post-it notes.

b. Municipal Working Groups

- Otonabee-Peterborough Municipal Working Group Draft Minutes –March 5, 2010
- Kawartha-Haliburton Municipal Working Group Draft Minutes – March 15, 2010

Minutes of these two Municipal Working Group meetings were accepted.

c. Committee Members (updates on public engagement/conferences)

Wayne Stiver indicated that he attended the American Water Works Association (AWWA) Regional Meeting of Section Officers (Ontario and the States around the Great Lakes) held in Minneapolis April 16 -17, 2010. There was a brief discussion about how other jurisdictions are addressing source water protection.

Action: Wendy Lavender will provide a document on the review of source water protection across Canada to Glenda for circulation to the committee members

Wayne Stiver also shared an article with the Committee: “Guelph Introduces Rainwater Rebate.”

Rosemary Kelleher-MacLennan reported that the Ontario Water Works Association’s (OWWA) Joint Annual Conference and Trade Show is scheduled for May 2 - 5, 2010 in Windsor.

26. Blessing of The Water – Elder Eleanor Taylor

Elder Taylor blessed the water and spoke of women’s responsibilities in taking care of water and its importance in our lives.

After the blessing, Mrs. Knott said Grace before lunch.

27. Working Session – Overview and Review of Draft Assessment Report Chapters – Glenda Rodgers, Andrew Doiron.

The following components of the Assessment Report were reviewed by the Committee:

- Changes to Watershed Characterization based on previous comments
- Acknowledgements
- Preface
- Executive summary
- Water budget & Water Quantity Stress Assessment – Tier 2 Water Budgets (Lindsay & Havelock)
- Surface Water Systems: Water Quality risk Assessment – Drinking Water Threats
- Groundwater Systems: Water Quality Risk Assessment
 - a. Vulnerability Assessment
 - b. Issues Assessment
 - c. Drinking Water Threats
- Landscape-Scale Groundwater Analyses- Water Quality Risk Assessment
- Cross-Boundary Considerations
- Conclusions and Next Steps
- Appendices – Variances from Technical Rules and Terms of Reference

Committee Members are encouraged to continue to provide comments.

Action: Wendy Lavender will see if she is able to get more accurate numbers for populations

28. Future Meeting Dates

| Date | Location |
|---------------------------|------------------|
| May 14, 2010 | Bridgenorth |
| June 17, 2010 (TENTATIVE) | To be determined |
| July 14, 2010 | To be determined |
| August 20, 2010 | To be determined |
| September 17, 2010 | Stirling |

Staff will determine locations and advise Committee Members when booked.

29. Questions/Comments from the Public

There were no questions

30. Other Business

Gerald McGregor asked Wendy Lavender if wind turbines can be located in Significant Groundwater Recharge Areas within the Clean Water Act.

Wendy responded that that she will investigate whether wind turbines can be considered a threat.

Edgar Cornish reported that he visited the Ethanol Plant near Havelock after the meeting yesterday. He provided details on their permit to take water for use in the water budget.

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| Action: Staff will provide this information to XCG |
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31. Adjournment

Meeting adjourned at 3:30 p.m.