



**THE CATARAQUI SOURCE PROTECTION COMMITTEE  
MINUTES NOTES # 64**

Wednesday March 20, 2019 (6:30 PM)  
General Purpose Room, Outdoor Centre, Little Cataraqui Creek Conservation Area

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**Present:** John Williamson, Chair      Richard Lindgren      Jeff Peters  
Mayor Richard Bresee      Chris Mangan-Greene      Kim Sytsma  
John Conley      Nona Mariotti      Gordon Ohlke  
Kathleen Laird      Greg Newman      Mary Wooding

**Regrets:** Michael Farrell  
Peter Raabe  
Gord Mitchell

**Staff Present:** Katrina Furlanetto, Coordinator, Source Protection  
Rhonda Roantree, Receptionist/Clerk

Chair John Williamson called the Cataraqui Source Protection Committee (Committee) meeting to order at 6:35 P.M.

**Roll Call and Mileage and Notice of Proxies**

There were 9 voting members present and 0 proxies.

**Adoption of Agenda**

The agenda was adopted on a motion by R. Bresee and seconded by N. Mariotti.

**Declarations of Conflict of Interest**

There were none.

**Acknowledgement of Previous Meeting Minutes**

The minutes of November 21, 2018 were acknowledged.

**Business Arising**

There were none.

**Delegations**

There were none.

**Correspondence**

There were none.

**Updates from the Source Protection Committee**

a) **Roundtable Updates from the Source Protection Committee**

**Mayor R. Breese;** Work improvements on the treatment plant in Loyalist Township.

**G. Newman;** Council passed a resolution on Bill 66, Schedule 10. SPC to present to new council in spring 2019 on Source Protection.

**K. Systma;** Working with OMAFRA in the Beef and Dairy to visit farms not doing the 4R's

**J. Peters;** Questioned what the future of Source Water Protection is with the new government.

**K. Laird;** Attended the Friends of Napanee meeting and noted Les Stanfield as the guest speaker from Eco Health Solutions spoke on the importance headwater systems.

**R. Lindgren;** Bill 66 got second reading which included the elimination of Schedule 10.

**N. Mariotti;** A lot of ongoing communication with lake associations.

**G. Ohlke;** Noted the Township of Leeds and the Thousand Islands have hired a risk management official and initiated efforts to address significant drinking water threat policies under the Cataraqui Source Protection Plan. Threats assessments and open houses were initiated in 2018. More work to come.

**J. Conley;** Asked the chair if a doing a short presentation would be beneficial for municipalities letting them know exactly about the source protection program as there are many new members on Council.

b) Chair's Call Update

- John Williamson, Chair had indicated Chairs they did not submit and comments on Bill 66.
- Chairs' call with the Minister went well. The Minister showed interested in the source protection program and inquired about core funding needs.
- K. Furlanetto indicated that she received official notice the program will be continuing.
- J. Williamson indicated that the Chairs' thought it would be a good idea to send the Minister a letter but as of this date one has not been sent.
- Chair appointments will be coming up in August.

c) Chair's Call Update

- K. Furlanetto mentioned that legislated work would be funded over non-legislated work.
- Conservation Ontario has a new video out to be shared through social media, starting on March 22 - National Water Day. It is currently being shown at Cineplex theatres across Ontario. Municipalities are encouraged to post on their websites.  
[https://www.youtube.com/watch?time\\_continue=2&v=nVrXvD5Eupw](https://www.youtube.com/watch?time_continue=2&v=nVrXvD5Eupw)
- CRCA is also developing a new video on DWSP which will be more localized to our area. To be shared once completed. Info graphic banners have been created for use at various events and will be available to members upon request.
- On Friday March 29, 2019 there is a Shoreline Development Forum being held here at CRCA.

**Business/Reports**

a) Cataraqui SPC Communications/Engagement

- The communications and engagement plan for the SPC needs to be renewed for 2019.
- Mayor R. Bresee suggested that an email be sent out to members listing local events when they come up so members are aware and can attend if available.
- Mayor R. Bresee recommended that members who sit on Council should speak to municipal boards as a different perspective.

b) Cataraqui Source Protection Committee 2018 Annual Reporting Staff Presentation

- K. Furlanetto did a slide presentation on the 2018 Annual Progress Report explaining the scoring and results for 2018. [Presentation Attachment #1](#).
- Members had concerns as to whether the report should have a scoring of "P-progressing well". Members suggested "P (+)" or "S (+)" should be noted indicating that there was still work to be done in one area.
- Concerns regarding funding reductions due to a "progressing well" score were raised.
- How to measure source protection awareness? It's challenging to monitor changes in behavior. There may be other methods to do this, in addition to road signs, moving forward.

**Motion:** To mark the report as satisfactory with an explanatory comment indicating, while six of seven categories are progressing well or on target the one category that has limited progress being the RMPs require significant work progress to get to a satisfactory grade.

**Moved by:** R. Bresee

**Seconded by:** G. Newman

**Carried**

### **Announcements or Inquiries**

1. Canadian Environmental Law Association Standing Committee Submission (re: Bill 66)

No comments.

2. City of Kingston Council declares a “state of emergency” for climate change:

- Two of the Council members from the City of Kingston who brought this forward are members of the CRCA board.
- N. Mariotti noted a letter to the City of Kingston Council may be warranted. Members decided a letter would be sent to the City of Kingston indicating that “we hear you and we are here to assist”.
- K. Laird mentioned that Queens University students did a climate change march on March 15<sup>th</sup> to City Hall, as part of a global protest against climate change.

### **Motions / Notice of Motion**

There were none.

### **Opportunity for Questions from the Media**

There were none.

### **IN CAMERA Session**

There was none.

### **Next Meeting**

To be determined. Katrina Furlanetto noted the next meeting will most likely be held in June.

### **Adjournment**

The meeting was adjourned at 8:30pm on a motion by Mayor R. Bresee

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John Williamson, Chair

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Katrina Furlanetto  
Manager, Watershed Planning &  
Engineering

# **Policy Implementation Annual Progress Report for the CSPA**

Source Protection Committee Meeting  
March 20, 2019



# Outline

- Source Protection Timeline
- Reporting Requirements
- Document Overview
- Progress Scoring
- Committee Review



# Program Timeline

## Assessment Report (2011)

- Vulnerable areas and scores delineated
- Significant drinking water threats identified

## Source Protection Plan (April 1, 2015)

- Policies created to address drinking water threats and outlining implementer timelines and responsibilities

## Policy Implementation (2015 – Present)

- All partners implement the policies within the plan
- Annual progress reports to be submitted

**We  
Are  
Here**

## Update of DWSP Documents (2019)

- Submission of the CSPA workplan to MOECC for consideration and approval



# Implementation Timeline

April 1, 2015

Part IV  
Land use  
planning

2 years

Operational  
policies

2–5 years

Document  
updates

5–10 years

Research  
initiatives



# Reporting Requirements

| Reporting Year | Municipalities (%) | Risk Management Office (%) | Public Health Units (%) | Ontario Ministries (%) |
|----------------|--------------------|----------------------------|-------------------------|------------------------|
| 2015           | 53%                | 50%                        | 100%                    | 100%                   |
| 2016           | 33%                | 100%                       | 100%                    | 100%                   |
| 2017           | 73%                | 100%                       | 100%                    | 100%                   |
| <b>2018</b>    | <b>100%</b>        | <b>100%</b>                | <b>100%</b>             | <b>100%</b>            |

Main concerns for 2018 reporting requirements:

- Non-binding policies
- Minimal effort changes between years





# Reporting Requirements

- What is included in the annual reporting submission?
  - 1. Public-Facing Summary Document**
    - Split into 10 sections, 7 require grading
    - Provides a score (P/S/L) for each category
    - SPC to comment on overall status of each section and the efforts in the CSPA
  - 2. Supplementary Form**
    - Hosts all the detail provided in annual reports for MECP review and analysis (online database submission)



# Scoring

| Grade                            | Meaning  |
|----------------------------------|--|
| P = Progressing Well / On Target | <b>MAJORITY</b> of the source protection plan policies have been implemented and/or are progressing well |
| S = Satisfactory                 | <b>SOME</b> of the source protection plan policies have been implemented and/or are progressing well     |
| L = Limited Progress             | <b>FEW</b> of the source protection plan policies have been implemented and/or are progressing well      |



# Categories

## Report Categories

Significant Drinking Water Threat Policies

Municipal Policies

Septic Re-Inspections

Risk Management Plans

Provincial Policies

Source Protection Awareness

Water Quality Monitoring



a) Science

b) Policy

c) Result

d) Score



# State of Progress

| Status  | SDWT Policies<br>(65 total) | Non-SDWT<br>Policies<br>(16 total) | Non-DWT<br>Policies<br>(63 total) |
|---|-----------------------------|------------------------------------|-----------------------------------|
| Complete  | 74%                         | 100%                               | 35%                               |
| Policy outcome(s)<br>evaluated; no<br>further action(s)<br>required | 11%                         | 0%                                 | 38%                               |
| In Progress   | 11%                         | 0%                                 | 21%                               |
| Not Implemented   | 3%                          | 0%                                 | 5%                                |
| No Information  | 0%                          | 0%                                 | 2%                                |
| No Response<br>Required (N/A)                                       | 0%                          | 0%                                 | 0%                                |

**85%** SDWT Legally-binding policies have been implemented



# SDWTs - Results

| Original Estimate | Additional Threats | Removed Threats | Managed Threats | Existing Threats |
|-------------------|--------------------|-----------------|-----------------|------------------|
| 158               | 18                 | 49              | 46              | 81               |

| Prescribed threat                                       | Number Remaining |
|---|------------------|
| Handling and storage of fuel                            | 40               |
| Transportation corridors                                | 18               |
| Sewage system maintenance                               | 1                |
| Application and storage of agricultural source material | 6                |
| Application of commercial fertilizer                    | 4                |
| Application of pesticide                                | 5                |
| Handling and storage of DNPALs                          | 2                |
| Use of livestock  | 3                |



# SDWTs – TLTI

Township of Leeds & the Thousand Islands are **out of compliance** for risk management efforts and managing existing significant drinking water threats in the Lansdowne WHPA (*deadline April 1, 2017 – potentially >50 threats outstanding*)

## In 2018, TLTI completed the following:

- Trained and hired a new RMO/I for the Township
- Identified an action plan to address policies / threat management
- Completed 10 property threat verification inspections (mostly drive-by) to address home heating oil / fuel threats
- Hosted two open houses in Lansdowne for public consultation
- No RMPs have been established
- Templates modified and drafted for 2019 completion



# RMPs - Results

| Office       | RMPs Required           | RMPs Completed | RMPs to be Finalized |
|--------------|-------------------------|----------------|----------------------|
| Municipal    | 10                      | 10             | 0                    |
| TLTI         | 54<br>(to be confirmed) | 0              | ?                    |
| <b>TOTAL</b> | <b>64</b>               | <b>10</b>      | <b>?</b>             |

## Out of Compliance

- 1 education and outreach plan is to be developed for sewage maintenance (2018 = complete)
- 64 parcels are to be verified for risk management work in TLTI (2018 = 10 verified no longer a risk)



# SDWTs and RMPs - Score

CRCA staff recommend the following scores based on reported results from 2015-2018:

Significant Drinking Water Threats

**P: Progressing Well**

Risk Management Plans

**L: Limited Progress**





# Municipal - Results

| Municipality                             | % Complete | Municipal Score             |
|--|------------|-----------------------------|
| City of Brockville                       | 71%        | P – Progressing Well        |
| City of Kingston                         | 92%        | P – Progressing Well        |
| Lennox & Addington County                | 100%       | P – Progressing Well        |
| Frontenac County                         | 87%        | S – Satisfactory            |
| Loyalist Township                        | 64%        | S – Satisfactory            |
| Town of Gananoque                        | 65%        | S – Satisfactory            |
| Town of Greater Napanee                  | 62%        | S – Satisfactory            |
| Township of Athens                       | 63%        | <b>L – Limited Progress</b> |
| Township of Elizabethtown-Kitley         | 79%        | S – Satisfactory            |
| Township of Front of Yonge               | 86%        | P – Progressing Well        |
| Township of Frontenac Islands            | 45%        | <b>L – Limited Progress</b> |
| Township of Leeds & the Thousand Islands | 63%        | S – Satisfactory            |
| Township of Rideau Lakes                 | 38%        | P – Progressing Well        |
| Township of South Frontenac              | 62%        | S – Satisfactory            |
| United Counties of Leeds & Grenville     | 79%        | S – Satisfactory            |

# Municipal - Results

Areas of improvement: Education & outreach, transport pathway notification

**83%** of municipalities incorporating SWP into business practices

| Category                       | Percent Complete | Score                |
|--------------------------------|------------------|----------------------|
| Restricted Land Uses           | 100%             | P – Progressing Well |
| Prohibitions                   | 100%             | P – Progressing Well |
| Land Use Planning              | 100%             | P – Progressing Well |
| Education & Outreach           | 50%              | L – Limited Progress |
| Source Protection Resources    | 75%              | P – Progressing Well |
| Transport Pathway Notification | 80%              | S – Satisfactory     |
| Operations                     | 75%              | S – Satisfactory     |



# Municipal - Results

## Official Plans and Zoning By-Laws – DWSP Integration

| Municipality                             | Official Plan Status | Zoning By-Law Status |
|--|----------------------|----------------------|
| City of Brockville                       | In Progress          | In Progress          |
| City of Kingston                         | Implemented (2017)   | In Progress          |
| Town of Gananoque                        | In Progress          | In Progress          |
| Township of Elizabethtown-Kitley         | Implemented (2018)   | In Progress          |
| Township of Front of Yonge               | Implemented (2018)   | Implemented (2018)   |
| Township of South Frontenac              | In Progress          | In Progress          |
| Township of Leeds & the Thousand Islands | Implemented (2018)   | Implemented (2018)   |



# Municipal - Score

CRCA staff recommend the following score based on reported results from 2015-2018:

Municipal Policy Implementation

**P: Progressing Well / On Target**



# Septic Re-inspections - Results

**92%** of on-site septic re-inspection have been completed

| Vulnerable Area   | No. of Inspections Required | No. of Inspections Completed | No. Left for Inspection |
|-------------------|-----------------------------|------------------------------|-------------------------|
| Cana WHPA         | 3                           | 3 – 100%                     | 0                       |
| Lansdowne WHPA    | 4                           | <b>3 – 75%</b>               | <b>1</b>                |
| Miller Manor WHPA | 17                          | 17 – 100%                    | 0                       |

No. of on-site sewage systems inspected that required:

1. Minor work (e.g., pump out) = 16
2. Major work (e.g., pump out) = 7



# Septic Re-inspections - Score

CRCA staff recommend the following score based on reported results from 2015-2018:

On-Site Septic Re-inspections  
(Health Unit and Municipal Implementation)

**P: Progressing Well / On Target**



# Ministry Results - Policies

| Implementing Body   | Policy Completion |
|---|-------------------|
| Ministry of Agriculture, Food, and Rural Affairs (OMAFRA) | 85%               |
| Ministry of Municipal Affairs (MMA)                       | 33%               |
| Ministry of Government and Consumer Services (MGCS)       | 67%               |
| Ministry of Environment, Conservation and Parks (MECP)    | 100%              |
| Ministry of Natural Resources and Forestry (MNRF)         | 100%              |
| Ministry of Transportation (MTO)                          | 100%              |

**100%** of Ministries conform with addressing policies, incorporated SWP into business practices and have used training/education to promote source

**81%** completion due to non-binding / future consideration policies



# Ministry Results - Applications

| Ministry  | No. Reviewed               | No. of PIs as SDWTs |
|---|----------------------------|---------------------|
| MECP – Sewage Works / Wastewater  | 13 / 13 Reviewed<br>= 100% | 2                   |
| MECP – Municipal drinking water licences and drinking water works permits | 11 / 11 Reviewed<br>= 100% | 0                   |
| MECP – Landfilling and storage  | 2 / 2 Reviewed<br>= 100%   | 0                   |
| MECP – Water Takings  | 0                          | 0                   |
| OMAFRA – NASM Plans   | 0                          | 0                   |
| OMAFRA – NMS  | 0                          | 0                   |

**100%** application review completion





# Ministry Implementation - Score

CRCA staff recommend the following score based on reported results from 2015-2018:

Ontario Ministry Implementation

**P: Progressing Well / On Target**



# Source Protection Awareness - Results

|                           | Provincial | Municipal |
|---------------------------|------------|-----------|
| Signs for SDWT areas      | 2          | 18        |
| Sings as per local policy | 10         | 0         |
| <b>TOTAL</b>              | <b>12</b>  | <b>18</b> |

| Year | No. Provincial Signs Installed | No. Municipal Signs Installed | No. Signs at Other Locations | Total      |
|------|--------------------------------|-------------------------------|------------------------------|------------|
| 2015 | 0                              | 0                             | 0                            | <b>0</b>   |
| 2016 | 0                              | 8                             | 0                            | <b>8</b>   |
| 2017 | 2                              | 2                             | 0                            | <b>4</b>   |
| 2018 | 0                              | 4                             | 0                            | <b>4</b>   |
| 2019 | 0                              | (4)                           | 0                            | <b>(4)</b> |



# Source Protection Awareness - Results

- Guidance documents
- Local fact sheets / municipal communication materials
- Media publications / online presence
- Water Festival Engagement
- Groundwater Protection Workbook, Well/Septic Workshops
- Municipal Mural
- RMO Engagement (local workshops)

## Local Guidance Documents

Guidance documents are available below to assist with the implementation of some policies in the Cataraqui Source Protection Plan. These resources provide background information, identify local options for amending emergency response plans and land use planning documents, and present a groundwater assessment guideline.

Emergency Response Plan Updates



Summary of Stormwater Management Policies



Summary of Groundwater Protection Policies



# Source Protection Awareness - Score

CRCA staff recommend the following score based on reported results from 2015-2018:

Source Protection Awareness

**P: Progressing Well / On Target**



# Water Quality Monitoring - Results

All Water Treatment Plants are testing as per provincial and local policy requirements. None have post-treatment concerns.

| Location                          | Parameter of Concern (2011)                           | Parameter of Concern (2018)      |
|-----------------------------------|---|----------------------------------|
| <b>Brockville</b>                 | Escherichia coli (E. coli)                            | None (E.coli)                    |
| <b>Fairfield (Amherstview)</b>    | Total coliform  | None                             |
| <b>Bath</b>                       | Organic nitrogen and E.coli                           | None (Total coliform and E.coli) |
| <b>Cana (well supply)</b>         | Sodium, chloride, total coliform, and E.coli          | None                             |
| <b>Miller Manor (well supply)</b> | Sodium, chloride, nitrate, E.coli, and total coliform | None                             |



# Water Quality Monitoring - Score

CRCA staff recommend the following score based on reported results from 2015-2018:

Water Quality Monitoring (Drinking Water Treatment Plant Operation)

**P: Progressing Well / On Target**



# Summary

| Report Categories                         | Progress Score                |
|---|-------------------------------|
| Significant Drinking Water Threat Polices | P: Progressing Well/On Target |
| Municipal Policies                        | P: Progressing Well/On Target |
| Septic Inspections                        | P: Progressing Well/On Target |
| Risk Management Plans                     | L: Limited Progress           |
| Provincial Policies                       | P: Progressing Well/On Target |
| Source Protection Awareness               | P: Progressing Well/On Target |
| Water Quality Monitoring                  | P: Progressing Well/On Target |



# Moving Forward

CRCA staff on behalf of the Cataraqui Source Protection Authority are committed to improve the source protection program in our area to achieve the objectives in the source protection plan:

- 1. Cataraqui Source Protection Plan policy updates**
- 2. Continued engagement**
  - SPC outreach, education curriculum, SWP videos (online presence), municipal website updates
- 3. Coordinating resource development and sharing**
  - Education and outreach (Conservation Ontario)
  - Municipal and stakeholder surveys, groundwater data research
- 4. Represent concerns to the Province**





# SPC Requirement

**In the opinion of the SP Committee, to what extent have the objectives of the source protection plan been achieved in this reporting period?**

Please provide a rationale on how the Committee arrived at its opinion, including a summary of any discussions that might have been had amongst the members

