



SOURCE PROTECTION COMMITTEE

September 26, 2018

White Carnation, Holmesville

MEMBERS PRESENT

Bruce Godkin, Karen Galbraith, Keith Black, Mary Ellen Foran, Ian Brebner, Matt Pearson, Don Jones, John Graham, Bert Dykstra, Philip Keightley, David Blaney, Myles Murdock, Kerri Ann O'Rourke, Jennette Walker, Gerry Rupke

MEMBERS ABSENT

Mark MacKenzie

LIAISONS ABSENT

Maitland Valley SPA Liaison – Phil Beard
Ausable Bayfield SPA Liaison - Brian Horner
Health Unit Liaison – Jean-Guy Albert
MOECC Liaison Officer – Olga Yudina

DWSP STAFF PRESENT

Mary Lynn MacDonald, Donna Clarkson, Tim Cumming, Aaron Clarke, Elizabeth Balfour

CALL TO ORDER

Chair Matt Pearson welcomed everyone and called the meeting to order at 9:34 a.m.

AGENDA

MOTION #SPC: 2018-09-01

**Moved by Karen Galbraith
Seconded by Bruce Godkin**

“That the SPC agenda for September 26, 2018 be approved as presented.”

Carried by Consensus.

APPROVAL OF MINUTES

MOTION #SPC: 2018-09-02

**Moved by Bert Dykstra
Seconded by Philip Keightley**

“That the SPC minutes from May 30, 2018 be approved as presented.”

Carried by Consensus.

BUSINESS OUT OF THE MINUTES

SPC Sector Engagement – does the SPA have speaker notes for SPC members when presenting and/or when talking to the public? The Source Water 101 presentation is available for background information. Tim Cumming, Communications Specialist can also provide information that is tailored to the appropriate audience if you contact him in advance. Tim will look into providing brief bullet points about Source Water that members can use when in conversation with the general public outside of an organized presentation.

DECLARATION OF PECUNIARY INTEREST

None

CORRESPONDENCE

- a) Correspondence from the South Georgian Bay Lake Simcoe Source Protection Committee to the Minister of Environment, Conservation and Parks asking that the approval process for Source Protection Plans be streamlined when a new drinking water system requires no new policies. They are looking for support.

PROGRAM UPDATE

Mary Lynn MacDonald, Co-Program Supervisor provided a program update for SPC members. Information from her update is as follows:

Provincial Review – the MECP is undertaking a line by line audit of the program. This audit affects MECP liaisons as well. The *Clean Water Act* is still in place and requires administration; however, exactly how that administration will look for DWSP in the future is uncertain. MECP's exact wording on the DWSP program is as follows:

“Currently, the government is undertaking a review of all government programs. This review will help inform how to best deliver programs, including the best way to ensure sources of drinking water are protected while reducing burden on Ontario communities. Therefore, we cannot speak to the future program until this review is complete.”

Education and Outreach – IPZ – IPZ maps for the Goderich and Port Black IPZs were uploaded to the Municipalities of Goderich, South Huron, and Bluewater websites. The idea for this E/O piece came out of stakeholder engagement sessions for the Section 36 Review. Municipalities were receptive and the maps have been added. The Lake Huron Primary Water Supply added a link to the sourcewaterinfo.on.ca website.

Stakeholder Engagement Plan – Tim Cumming was a part of the working group created by Conservation Ontario to draft the stakeholder engagement plan. This strategy is intended to provide timely information on initiatives being rolled out, updates and time frames for completion of resources, as well as communication products for enhancing stakeholder and partner outreach to communities.

Risk Management Official Report – Good news stories:

1. Large underground fuel tank was removed from a property in a 100m zone. The new owner was unaware at the time of purchase that the commercial property was in a drinking water source protection zone. The seller did not disclose this information and they have no obligation to tell potential buyers. The new property owner wants to work with the RMO to ensure compliance.
 - a. Another E/O session with realtors may be warranted.
2. Another property with home heating oil in a 100m zone is for sale. Donna has already contacted the realtor and is working with them to let future buyers know that a RMP will be required if heating oil is retained.
3. RMP completed for a farm property in which the land was leased and contact information was unknown.
4. Two large corporation files are moving along. Mary Lynn has completed one RMP and Donna is finalizing another.

Regulation 205/18 Requirements – The province has released more information to be discussed at a later date.

New Good Salt Practices – Conservation Ontario released new recommendations for salt management. The document has a variety of practices that can help protect drinking water. While salt contamination in drinking water is not an issue for this Source Protection Region, information in this document could help update the ABMV SPP salt policy.

PRESENTATION ON LIQUID HYDROCARBON TRANSMISSION PIPELINES IN AUSABLE

Deon Bridge, Senior Environmental Analyst with Enbridge was invited to make a presentation focusing on liquid hydrocarbons such as oil and refined products within the Ausable River watershed

The System:

The pipeline passing through the Ausable River watershed starts in Sarnia and continues east toward Hamilton/Burlington before diverging. The pipeline Right of Way (ROW) has 3 buried lines. Pump stations and valves are placed along the transmission line. Valves are used in the case of an emergency to stop the flow of liquid hydrocarbons. More valves along a pipeline are not necessarily safer as these valves can leak, thereby increasing the probability of oil contamination to the environment.

National Energy Board:

Construction, operation, and abandonment of pipelines is regulated by the National Energy Board. Enbridge is responsible for the entire cost of cleanup in the event of a spill including reimbursement for damages (absolute liability). The National Energy Board audits Enbridge's internal management plan with Enbridge having to demonstrate every year that they have improved their process.

Ways Enbridge Ensures Pipeline Integrity:

Enbridge ensures the integrity of the pipeline through its design, operation, maintenance, and monitoring. Enbridge sends an inline Pipeline Inspection Gauge (PIG) into the line every 3 to 5 years to assess the pipe for things such as corrosion or cracks. Results from the inspection can prompt a dig if an issue is found. Sections of the pipe are replaced when fixing the pipe becomes cost prohibitive. Old or damaged pipes are removed and sent to a lab for analysis to help improve the lifespan of future pipes. Enbridge's control centre is in Edmonton. All calls are directed to this centre and Edmonton dispatches on-call staff. The centre monitors pressure, pumps, and valves in real-time and can remotely shut down some valves. Manual valves can be shut down within 1-2 hours depending on the location of the valve and staff. A helicopter is used to fly the line looking for anomalies along the line i.e., erosion or exposed pipe.

Response to Spills:

In the event of a spill, staff and equipment from either the Sarnia or Hamilton terminal can respond, in addition to the equipment that can be called in from other groups. Staff undergo spills and emergency training such as unannounced drill practices, security exercise, equipment deployments, evacuation drills, workshops, etc. Enbridge has a written response plan that is reviewed annually. Every control point has a plan that includes a map, how to access the point, and equipment needed for a spill at this location. As part of the Communication Plan, Enbridge trains EMS staff. Communication with EMS is affected by staff turn-over.

Future Pipelines and DWSP Threats:

No new pipeline construction is planned; however, this can always change. The Enbridge pipeline through the Ausable River does fall under the new liquid hydrocarbon threat in the threats table. Ganaraska Source Protection Plan asks for an annual report from Enbridge reporting on Enbridge's emergency contact list, integrity program for monitoring, and spills response plan.

Deon Bridge took notes of questions he was unable to answer and will forward the results to the DWSP co-supervisors for distribution to SPC.

PRESENTATION ON GODERICH HARBOUR EMERGENCY PROCEDURES

Rowland Howe, President of the Goderich Port Management Corporation gave a presentation focusing on the Goderich Port Management Corporation, the port, and its activities.

Background:

The Goderich port including the water treatment intake area was purchased from the Federal Government in 1999 by the Town of Goderich. Users created the Goderich Port Management Corporation (GPMC) to manage the port. GPMC members are all commercial users of the port with funding for the port coming from these users (not taxpayers). The GPMC is an agent operating on behalf of the Town with the Town of Goderich approving its annual operating plan and major projects. The port itself sees over 250 ships a year mostly transporting salt, grain, and calcium chloride. The GPMC oversees the operations and maintenance of the port and structures on the port.

Security:

Since 9/11 there has been a greater focus on the security of vessels with greater responsibilities being placed on the operators of marine facilities. GPMC is required to develop a detailed Port Security Plan which is audited by Transport Canada, and its approval forms the basis for GOMC earning its Certificate of Compliance. Security Plans also lend themselves to environmental controls. Vessels must submit paperwork on personnel, insurance, and services required prior to docking. If liquids are transferred, a plan details how to transfer the liquid and what to do in the event of a spill. All vessels and port users have a spills response plan. The Canadian Coast Guard in Goderich maintains a spills response trailer but it is not accessible over the winter after the Coast Guard leaves before ice-up. Mr. Howe will address that gap at an emergency planning exercise that will be taking place with the Goderich Port Management Group, Town of Goderich, Veolia and other involved parties on October 10, 2018. The port coordinates these activities regardless of what/who caused the spill. Most spill response plans focus on containment, notification and remediation. In the event of a spill, Veolia, the Town of Goderich, and the MECP are notified.

Port Expansion:

The port has always been constrained by space. It is currently increasing its footprint by 4 acres. Permits have been acquired from Department of Fisheries and Oceans and Maitland Valley CA. Turbidity from construction is being monitored, as well as soil sampling is being conducted from the dredging. With the expansion, the GPMC is hoping to attract vessels with different cargos such as limestone or aggregates. New cargo entering the port would require an assessment and a spills plan. All cargo going through the port must have a plan for safe handling so new cargo would be the same.

SECTION 36 REVIEW WORKPLAN

Donna Clarkson, Co-Program Supervisor presented the workplan for a Section 36 Source Protection Plan update for approval. Items in the workplan include:

- Revising the WHPA delineation for Palmerston and Auburn
- Determine if a policy should be added to the SPP to address the new liquid hydrocarbon threat
- Update the significant groundwater recharge area vulnerability scoring
- Review the IPZ vulnerability scoring for Goderich
- Consider a policy that requires OMAFRA to report on prescribed instruments
- Extend Education and Outreach beyond 1 year
 - RMO for Minto supports ongoing E/O
- Consider a policy for Education and Outreach in IPZs
 - A non-binding policy seems to have local support based on stakeholder engagement
- Review the policy on road salt
- Review DNAPL prohibition
 - Minto RMO in favour of reviewing this prohibition policy

- Review the impacts of prohibition on agricultural communities
- Update the Maitland Valley Assessment Report to include the results of the Tier 3
- Remove triplicate policies from SPP
- Update Wingham WHPA to remove transport pathways
- Study the impact of different porosity values on WHPA delineations
- Evaluate the impact of sinkholes and extractive resources on HVAs

The work plan is a combination of required updates by the province and optional updates.

MOTION #SPC: 2018-09-03

**Moved by Myles Murdock
Seconded by Gerry Rupke**

“That the Ausable Bayfield Maitland Valley Source Protection Committee endorse the Section 36 Review Work Plan and recommend approval by the Ausable Bayfield Source Protection Authority and Maitland Valley Source Protection Authority for submission to the Minister of Environment, Conservation and Parks.”

Carried by Consensus.

REGULATION 205/18

Mary Lynn MacDonald reviewed new legislation that municipalities will be required to implement.

Regulation 205/18 is now a part of the *Safe Drinking Water Act* and requires municipalities to have vulnerability mapping complete before receiving a drinking water works permit or license. It is linked to the *Clean Water Act* through Regulation 287/07. Municipalities are encouraged to engage with the SPA early in planning for new or changed well systems to understand what the new regulation requires. If new wellhead mapping is required and received by the SPA, they will review it and issue a notice to the municipality that the vulnerable area information is complete. The SPA will then incorporate the changes in a SPP update. Final approval of any SPP amendment still lies with the Minister. Drinking water works permits and licenses issued after July 1, 2018 will include a condition to prevent water from being supplied to the public until any necessary updates to the Source Protection Plan are approved by the Minister. In an emergency situation this would not be the case. Mary Lynn is pursuing the province for direction on how much of a change requires a WHPA re-delineation.

Municipal representatives should communicate to municipalities the changes under Regulation 205/18.

OTHER BUSINESS

None

LIAISON UPDATES

None – liaisons absent.

NEXT MEETING

At the call of the Chair.

ADJOURNMENT

The meeting was adjourned at 12:24 p.m.

Matt Pearson
Chair

Elizabeth Balfour
Alternate Recording Secretary