



**Minutes of the meeting of the  
Quinte Region Source Protection Committee**

**Date:** October 24, 2019, 6:30 pm  
**Location:** Quinte Conservation - Joe Eberwein Board Room  
2061 Old Highway 2  
Belleville ON

**Members Present:** **Curtis Maracle** (Mohawks of the Bay of Quinte)  
**Gillian Ward** (General Public)  
**Heather Lang** (Agriculture)  
**Jack Alexander** (Economic- Small Business)  
**Josh Powles** (General – Education)  
**Mary Wooding** (Ministry of the Environment, Conservation & Parks Liaison)  
**Max Christie** (Chair)  
**Mel Plewes** (General – Public urban)  
**Mike Kirby** (Source Protection Authority Liaison)  
**Pat Culhane** (City of Belleville)  
**Phil Norton** (General - Public Rural Non-Farm)  
**Roger Cole** (Town of Deseronto and Greater Napanee)  
**Ron Hamilton** (Group 5)  
**Sandy Latchford** (Economic – Business)  
**Terry Kennedy** (General – Environmental)

**Members Absent:** **Andrew Landy** (Health Unit Liaison)  
**Bryon Keene** (Economic – Business)  
**Ernie Margetson** (Prince Edward County)  
**Gary Fox** (Agriculture)  
**Joanne Albert** (Tweed, Centre Hastings and Marmora and Lake)  
**Nicole Storms** (Mohawks of the Bay of Quinte)

**Also Present:** **Amy Dickens** (Project Coordinator)  
**Olivia Hughes** (Stormwater Project Coordinator)  
**Deon Bridge** (Guest – Enbridge)

1. **Call to Order**

The Chair, Max Christie called the meeting to order at 6:36 pm.

2. **Approval of the Agenda**

There was no discussion.

**The agenda was approved through consensus.**

3. **Chairs Statement to Guests - Collection of Personal Information for Board Minutes**

This is addressed to anyone that is not a committee member and/or staff person of Quinte Conservation: Your name will be used in the committee meeting minutes and the minutes will become public information after review and approval of the committee. If you are present for a delegation or hearing, the context of your presentation will be recorded in the minutes of the committee meeting.

4. **Disclosures of Pecuniary Interests**

There were no disclosures of pecuniary interest.

5. **Approval of the minutes of the Source Protection Authority of April 19, 2018**

A committee member requested that when acronyms such as MECP (Ministry of the Environment, Conservation and Parks) and SPPB (Source Protection Programs Branch) are used during minutes, the full name is written out for the first use.

**By consensus, the Quinte Region Source Protection Committee approved the minutes of the June 27, 2019 meeting.**

6. **Delegation – Deon Bridge – Enbridge**

Deon Bridge, an Environmental Analyst from Enbridge, gave a presentation to the Committee about the operation and maintenance of Enbridge's Line 9 Pipeline. The Committee learned general information about the pipeline that crosses the Quinte watershed north of Highway 401. The pipeline is 30 inches in diameter and runs approximately 966 kilometers from Sarnia to Montreal, moving approximately 53000 cubic meters of crude oil per day. It was mentioned that Crude oil moves through the pipeline at a fast walking pace. From Montreal, the crude oil is shipped across the border into the United States of America by another company. The pipe is generally belowground. There are a few exceptions which are monitored. When a portion becomes uncovered, work is done immediately to fix the situation. Because of the depth of pipe and temperature of the oil within the pipe, heaving because of frost is not an issue.

The presenter described the crude product that is moved within the pipeline, explaining Enbridge moves 90 percent light crude oil and 10 percent heavy crude oil through the pipeline. These products are not mixed; rather they are moved separately within the pipeline. These products are both flammable, however are not very explosive, as the public is often led to believe. Because, the pipelines do not have

a 'head space' above the product, there is little disturbance within the pipeline. The product rarely catches fire.

The Committee learned the Line 9 Pipeline originally shipped oil from Quebec to Sarnia. Later it became more profitable to ship it the other way so the line was reversed. This has been switched several times throughout the pipeline's existence.

The flow of crude oil within the pipeline is monitored remotely, 24 hours a day/ seven days a week. A change in pressure within the pipe is an indicator that something needs to be investigated. There are valves throughout the system that can be closed to stop the flow of oil when necessary. Hills also act as valves as oil cannot flow uphill. There is no set life expectancy on the pipeline. Rather, repairs and maintenance are done continuously to keep the pipeline at its full functionality. Enbridge works to correct defects as detected until the cost outweighs the economic value, at which time the pipeline will be shut down. When microscopic leaks/cracks are detected, the pipe is reinforced with an outer sleeve. Enbridge practices preventative maintenance to stop integrity failing. There are other concerns that are considered besides the integrity such as construction equipment, which is more likely to cause an issue.

In addition to the remote monitoring of the pipe itself, the pipeline is also flown for visual inspections every 21 days. It was explained that Enbridge doesn't want to have an environmental impact. It also costs much more money to remediate issues after the fact than fixing integrity issues as they arise. Additional visual inspections are also done when events such as flooding occur.

The Committee also heard about the legislation regulating the Line 9 Pipeline, Enbridge's emergency management program and their preparedness for emergencies. The Line 9 Pipeline is regulated by the *Canadian Energy Regulator Act*. The Canadian Energy Regulator (formerly National Energy Board) is the regulatory body who prohibits or manages these types of pipelines as required.

In the event of an emergency, the procedure is to contact the Spills Action Centre immediately as the one-window approach to reduce confusion during an emergency. There are tactic locations along the pipeline, in essence where the pipeline crosses every road and watercourse. Each tactic location has its own unique contingency plan for spill mitigation. There are staff and equipment available at Enbridge's Belleville Pipeline Maintenance Shop. Upon receiving notification of a spill it could take staff up to an hour to respond, depending on the time of day. In the meantime, valves in the area of the spill would have been closed.

Enbridge is also in communication with the Canadian Security Intelligence Service and numerous police agencies, and monitor threats received (including those via social media) to reduce vandalism or attacks to their pipelines.

The Committee asked numerous questions related to the specifications of the pipeline, including how leaks/breaks are detected and addressed, the general inspection and monitoring program of the company as well as Enbridge's emergency management protocol. These, along with the responses, have been summarized above.

A committee member asked the circumstances related to the last 'leak' in the pipeline.

The presenter explained approximately one cubic metre of oil sprayed onto a farmer's field. Enbridge excavated the contaminated soil and cleaned the affected area. Enbridge also compensates landowners whenever they are required to do work on the pipeline within the landowner's property. There has never been a critical event on this pipeline, nor has there been a break extensive enough to affect water supplies. Much has been done to upgrade the integrity program in the last 5 years.

A committee member asked at what pressure the pipeline operates.

The presenter stated he did not know off-hand but would provide that information to staff at a later date.

There was no further discussion.

Deon Bridge left the meeting at 7:55 pm.

## **7. Pipeline Discussion**

Staff presented on the evolution of liquid hydrocarbon pipelines becoming a prescribed drinking water threat under the *Clean Water Act, 2006*. The Committee heard the circumstances that make pipelines a significant drinking water threat and were shown where known pipelines cross the vulnerable areas within the Quinte Region Source Protection Area. Investigations are preliminary and staff explained they will ensure all pipelines are mapped for the committee but the two known pipelines in the source protection area are moderate threats because of their locations. The Committee will have to decide whether or not a policy will be required to manage these moderate threats. Staff will provide the Committee with existing policy wording from other source protection areas that created local pipeline threats in the initial round of policy development.

A committee member suggested that members need to be aware of potential threats that pipelines cause. Another member reminded the committee that Source Protection committees do not have any control over pipelines as they cross provincial boundaries, and that Enbridge and similar companies choose to cooperate as good corporate citizens.

A committee member asked whether or not the Committee is to be concerned about the buried natural gas pipeline.

Staff answered that a natural gas pipeline is not captured under this threat: Rather, is it only pipelines that convey liquid hydrocarbons.

A committee member asked if there is an existing policy for the transportation of threats via railway.

Staff answered that there is a transportation pathway policy that covers rail within the source protection plan. This was identified as an ineffective policy that would need revision as part of the Section 36 Workplan. The Chair mentioned that the Committee has no control over rail transportation.

A committee member stated there seems to be an incongruity. They asked whether or not pipeline companies have to follow regulations.

The Chair answered that companies are cooperating voluntarily, not because they have to.

A committee member asked for clarification as to why this is defined as only a moderate threat.

Staff answered that this is because of the zones they are in. The Chair mentioned that there will be training held for new members to help understand the ranking system.

There was general discussion. The Chair introduced staff member Olivia Hughes to discuss current work being done by Quinte Conservation on stormwater projects. It was also mentioned that Mark Boone is now working on drought management and will be presenting his work to the Committee in a future meeting.

There was no further discussion.

## **8. Annual Progress Report**

The Ministry of the Environment, Conservation and Parks Liaison presented a summary of 2018 annual reporting information received by the Ministry of the Environment, Conservation and Parks from source protection areas and regions across the province.

A committee member asked how the appeal process for OP's (Official Plans) works.

The liaison replied that it is a cyclical process between Ministry of Municipal Affairs and Housing and municipalities. Staff commented that Prince Edward County asked for Source Water Protection assistance when the Ministry of Municipal Affairs and Housing required stronger wording in their official plan.

A committee member commented that Parks Canada is not allowing source water protection signs on their watercourses. A general discussion followed.

While learning about the septic inspection program and the findings of said inspections, a committee member commented 46 percent seems like a very high number for septic systems requiring attention.

The Liaison replied that "minor" includes pump-outs. Staff commented that in past stewardship programs, there were many instances where homemade or altered systems were found which would also affect numbers.

A committee member asked if the presentation content goes to the top of the ministry.

The Liaison replied that some of the reporting is highlighted in the minister's report on drinking water.

## **9. Program Update**

The Chair presented program updates to the Committee. The Chair explained a second phase of amendments is being made to the Technical Rules but details have not yet been provided. These amendments are intended to provide more flexibility to local decision makers.

The Ministry of the Environment, Conservation and Parks Liaison commented that the Ministry of the Environment, Conservation and Parks will be consulting with municipalities in November. This has been facilitated by the local project managers.

A committee member asked if members have copies of the program updates.

Staff replied that a copy will be provided.

Staff added to the program updates, highlighting the Section 34 amendment was submitted to the Ministry of the Environment, Conservation and Parks August 2, 2019 and was approved by the Ministry September 11, 2019. The effective date for the updates is September 16, 2019.

Staff shared that the Section 36 Workplan was submitted last fall to the Ministry of the Environment, Conservation and Parks in November 2018. On August 15, 2019 an order was received from the Minister. This will direct the work of the Committee over the next few years.

A committee member asked what the Workplan includes.

Staff replied the Workplan includes mandatory technical rule updates, as well as identified policies that have shown to have inefficiencies or data gaps that need to be addressed. This work will be completed over the next few years.

Finally, staff told the Committee that the Chair had been re-appointed to the position for a three-year term.

There was no further discussion.

#### 10. **Committee Outreach**

The chair led a discussion on the committee member outreach.

A template presentation was distributed to committee members to write down edits so that the content can later be used by members to present to the people they each represent. Staff requested that members submit their comments within three weeks.

A member stated it is difficult to use technology for presentations and to answer technical questions.

The chair responded that staff will be able to help with technical answers for presentations and that staff can lead a session teaching committee members how to use PowerPoint to customize their presentations.

Staff explained that the intention is for committee members to use this as a resource or starting point when interacting with their sectors.

There was no further discussion

#### 11. **Other Business**

There was no other business.

#### 12. **Date and Time of Next Meeting**

The date and the time of the next meeting is February or March of 2020, or earlier at the call of the chair.

#### 13. **Adjournment**

The meeting was adjourned at 9:04 pm.

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Max Christie, Chair