

Date: February 11, 2021
Time: 1 pm
Location: Zoom (see email invitation for instructions)

Welcome and Introductions			
1.0	a. Agenda Review b. Notice of Proxies c. Adoption of the Agenda (D) d. Declarations of Interest e. Approval of Minutes –October 27, 2020 (D) ▶ draft minutes attached as a separate document f. Correspondence – none	Pg.	<i>Chair Graham</i>
Staff Reports, Updates and Presentation			
2.0	Section 34 Amendments —staff report attached (D).....	1-2	<i>Marika Livingston</i>
3.0	Section 36 Workplan Update —staff report attached (I).....	3-4	<i>Marika Livingston</i>
4.0	Hydrocarbon Pipeline Threat Policy —staff report attached (D).....	5-8	<i>Marika Livingston</i>
5.0	RMO Annual Reports —staff report attached (I).....	9-14	<i>Brian Stratton</i>
Other			
6.0	Other Business		<i>Chair Graham</i>
7.0	Member Inquiries		<i>Chair Graham</i>
8.0	Next Meeting – April 8, 2021		<i>Chair Graham</i>
9.0	Adjournment		<i>Chair Graham</i>

(I) = Information (D) = Decision

Delegations: If you wish to speak to an item on the Agenda please contact Marika Livingston before the meeting (marika.livingston@mrsourcewater.ca or 1-800-267-3504 x 1148)

If you are a member of the public and would like to join the Zoom meeting please contact the above for remote meeting details.

2.0 Section 34 Amendments

Date: February 11, 2021
To: Mississippi-Rideau Source Protection Committee
From: Marika Livingston, Project Manager
Mississippi-Rideau Source Protection Region

Recommendation:

That the Mississippi-Rideau Source Protection Committee receive this update about the upcoming amendments.

Background

Lemieux Island Intake Improvement Project

The Lemieux Island intake improvement project was initiated as an amendment in April 2019 due to frazil ice buildup concerns.

The City of Ottawa is proposing to establish a new intake deeper and further into the river, the existing intake will remain as a backup system. The Lemieux Water Purification Plant is situated on an island in the middle of the Ottawa river. The new intake is 250 m north of the island and 13 m below the water. The intake is located across the interprovincial boundary in the Province of Quebec.

The City of Ottawa is working jointly with the Quebec Ministère de l'Environnement et de la Lutte contre les changements (MELCC) to complete a Source Protection Report, in addition to the Source Water Protection work required under the *Clean Water Act*.

The required technical documents that compliment the Source Protection work were submitted on January 7, 2021. A Notice to the City of Ottawa Clerk was issued on January 8, 2021 under S. 34 (2) to obtain council approval and commence pre-consultation with their municipality. On January 11, 2021, a Notice under S. 48 was issued to the City of Ottawa accepting their technical work submission and outlining next steps for proceeding with the amendment. Pre-consultation with other Ministries and policy implementers is currently occurring, with comments due mid-February. Public Consultation is slated to commence early March, with comments due by April 6, 2021.

The new intake also triggers a review under the *Great Lakes-St Lawrence River Basin Sustainable Water Resources Act*, where their regional body will be reviewing the information as it relates to their agreement.

New Well in North Grenville

When consulting with municipalities last year regarding the Section 36 Workplan, we were notified about the potential of a developer driven well in Kemptville, North Grenville. This Summer, we were advised that this project is proceeding.

We are expecting the technical work to be completed and submitted to us by mid-April.

Fuel Oil Policy Revision

At the October 2020 SPC meeting it was highlighted that Risk Management staff were experiencing challenges implementing the FUEL-1-LB-S58, fuel oil policy. Staff recommended a policy revision.

We are currently exploring policy revision options and consulting with municipalities where fuel oil threats are mostly concentrated. Additionally the Raisin-South Nation Source Protection Region is being consulted since the existing fuel oil policy was jointly developed to promote consistency between Regions.

Next Steps

Section 34 of the *Clean Water Act* and Sections 48-50 of Ontario Regulation 287/07 set out the regulatory process for the amendment. Technical and consultation work required under legislation will continue

3.0 Section 36 Workplan Update

Date: February 11, 2021
To: Mississippi-Rideau Source Protection Committee
From: Marika Livingston, Project Manager
Mississippi-Rideau Source Protection Region

Recommendation:

That the Mississippi-Rideau Source Protection Committee receive for information the Section 36 Workplan Update.

Background

On November 14, 2018, our Section 36 Workplan was submitted to MECP in compliance with the order dated August 27, 2014 under Section 36 of the *Clean Water Act*. On April 15, 2019, we received an amended Order from the Minister, outlining requirements governing the contents and timeframes of the review and process to be followed for any updates.

An update on progress of proposed Workplan items is provided below.

Work Plan Update	Update
Update: Source Protection Plan Policy Review for Part IV Policies	Completed
Update: Source Protection Plan Policy Creation for new liquid hydrocarbon oil pipeline threat and Significant Groundwater Recharge Area Vulnerability Scoring Change	Staff report— February 11, 2021.
Update: Source Protection Plan Policy Update for fuel storage in IPZs and WHPA-Es with scoring 9 or higher	Proceeding Analysis underway
Update: Lemieux Island Water Purification Plant Intake Improvement Project	Proceeding as Section 34 Amendment Staff report— February 11, 2021
Update: Climate Change Assessment	Proceeding Analysis underway
Update: Clerical Changes	Ongoing
Update: New Municipal Wells in Kemptville	Eastern Quadrant: Completed Western Quadrant: Proceeding as Section 34 Amendment Staff report— February 11, 2021

Work Plan Potential Update		Update
Potential Update: Water Takings Assessment for Municipal Wells in Almonte		Ongoing
Potential Update: Water Quality Assessment for Municipal Wells in Westport		Ongoing
Potential Update: Consideration of Phase 2 Technical Rule Changes		Ongoing
Potential Update: Well Relocation Project in Munster		No update
Potential Update: New Municipal Well in Richmond		Proceeding

Work Plan Item		Update
Highly Vulnerable Aquifer (HVA) Guidance Document		Ongoing

4.0 Hydrocarbon Pipeline Threat Policy

Date: February 11, 2021
To: Mississippi-Rideau Source Protection Committee
From: Marika Livingston, Project Manager
Mississippi-Rideau Source Protection Region

Recommendation:

That the Source Protection Committee receive this report for information;

Further that the Source Protection Committee endorse the proposed liquid hydrocarbon pipeline policy; and,

Further that staff be directed to incorporate the proposed policy as part of the forthcoming amendment to the Source Protection Plan, under Section 36 of the *Clean Water Act*.

Purpose of Staff Report

The purpose of this Staff Report is to provide the Source Protection Committee an overview of the new prescribed threat associated with liquid hydrocarbon pipelines, their presence within the Source Protection Region, to outline a proposed policy related to liquid hydrocarbon pipelines, and to seek endorsement of the proposed policy.

Background

On July 1, 2018, Ontario Regulation 287/07 “General” under the Clean Water Act, 2006 was amended to add liquid hydrocarbon pipelines to the list of prescribed drinking water threats. Specifically, as part of the amended Regulation the table of circumstances, that lists the prescribed drinking water threats, was amended to include “the establishment and operation of a liquid hydrocarbon pipeline” that is designated for transmitting or distributing to terminals and distribution centres (i.e. trunk liquid hydrocarbon pipelines). For new prescribed threats, Source Protection Committees have an option to exclude policies for threat types that do not exist within the region. To justify not including a policy, the Source Protection Region needs to demonstrate that there are no existing threats and that future threats will never occur.

The vulnerability scores for which the pipeline circumstances would be a significant drinking water threat are summarized as follows:

1. Pipelines above ground – intake protection zones scoring 9 or 10 and wellhead protection areas scoring 10.
2. Pipelines below ground – wellhead protection areas scoring 10.

3. Pipelines within or under a water body – intake protection zones scoring 9 or 10 and wellhead protection areas scoring 10.

Using data from the Canada Energy Regulator's interactive online pipeline map, source protection authority staff have evaluated if liquid hydrocarbon pipelines, that meet the circumstances, currently exist within the Mississippi-Rideau Source Protection Region. Staff have concluded that there are no significant threat circumstances are triggered but there is one liquid hydrocarbon pipeline in the Mississippi-Rideau Source Protection Region. The Trans-Northern pipeline is owned by Trans Northern Pipelines Inc. It is an 850 kilometer pipeline built in 1952 that transports refined petroleum products such as gasoline, diesel fuel, aviation fuel and heating fuel west from Montreal, Quebec to Toronto, Ontario, and from Imperial Oil Limited's refinery at Nanticoke, Ontario east, to Toronto. There are delivery points along both stretches, including Oakville, Toronto, Ottawa, Maitland, Belleville, Cornwall and Kingston in Ontario, as well as Montreal and Dorval in Quebec.

Source Protection staff met with and had follow-up discussions with a representative from Trans Northern Pipelines Inc. during the development of the pipeline policy work. The attached map shows the location of the Trans-Northern pipeline in the Mississippi-Rideau Source Protection Region together with all the municipal drinking water systems and associated vulnerability scores (8 or higher) for each wellhead protection area and intake protection zone.

Future liquid hydrocarbon pipelines are still a possibility within the Region therefore a liquid hydrocarbon pipeline policy related to Future threats is recommended.

The governing authorities over pipeline development are the Canada Energy Regulator and the Ontario Energy Board. Source Protection Committees do not have legislative authority to develop policies that would be legally binding on federal or provincial agencies. The legal effect of the proposed policy is not legally binding and wording is framed around encouraging these agencies to inform the Source Protection Authority of proposed liquid hydrocarbon pipelines and to follow industry best management practices.

Proposed Mississippi-Rideau Liquid Hydrocarbon Pipeline Policy (PIPE-1 for Future threats

The Canada Energy Regulator, the Ontario Energy Board and the pipeline proponent are encouraged to provide the Source Protection Authority the location of any new proposed liquid hydrocarbon pipeline within the Source Protection Region and are encouraged to ensure that liquid hydrocarbon pipeline applications, where this activity would be a significant drinking water threat, include appropriate design standards, monitoring, and maintenance practices that when implemented will prevent such a pipeline from becoming a significant drinking water threat.

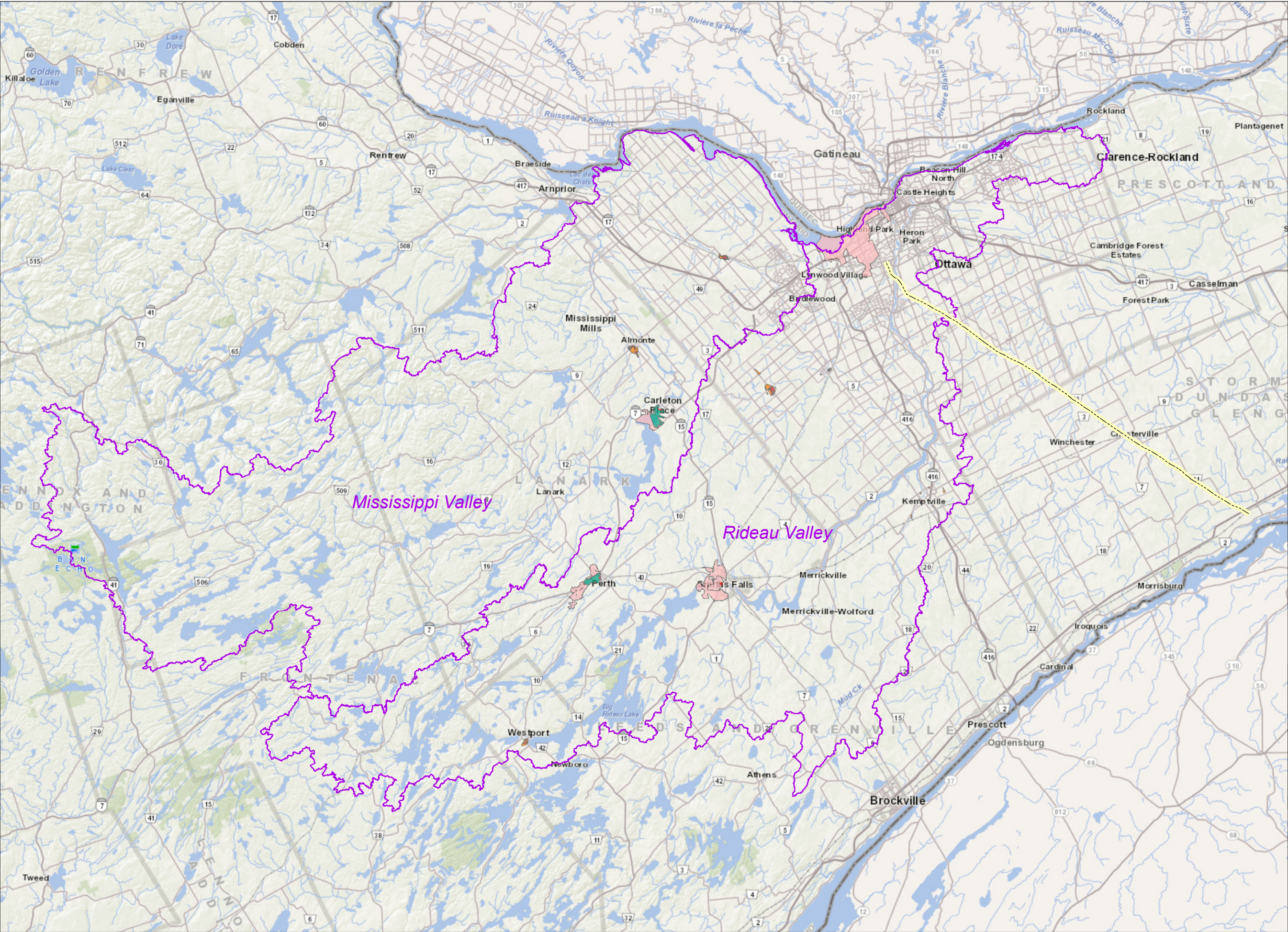
Summary

The Mississippi-Rideau Source Protection Region does not contain any existing liquid hydrocarbon pipelines, that meet the significant threat circumstances, thus, a policy to manage Existing threats is not required. However, it is recommended that the proposed policy wording (see below) for Future liquid hydrocarbon pipeline threats be included in the Source Protection Plan as there is the possibility of future liquid hydrocarbon pipelines within the region.

Policy PIPE-1

The Canada Energy Regulator, the Ontario Energy Board and the pipeline proponent are encouraged to provide the Source Protection Authority the location of any new proposed liquid hydrocarbon pipeline within the Source Protection Region and are encouraged to ensure that liquid hydrocarbon pipeline applications, where this activity would be a significant drinking water threat, include appropriate design standards, monitoring, and maintenance practices that when implemented will prevent such a pipeline from becoming a significant drinking water threat

Attachments: Trans-Northern Pipeline Overview Vulnerable Areas



**Trans-Northern Pipeline:
Overview inside
Mississippi-Rideau SPR**

Legend

- Trans-Northern Pipeline
- Ottawa Lateral
- Groundwater Vulnerability Scoring**
 - 10
 - 8
- Surface Water Vulnerability Scoring**
 - 8, 8.1
 - 9
 - 10
- Source Protection Area



Map Scale: 1:550,000

Projection note: NAD 1983 UTM Zone 18N

File Location: (M:\projects\GIS\GIS_Data\CA_Data\SPR\TransNorthernPipeline\SPR\TransNorthernAreas.mxd)

Modified by: PG Date Modified: 9/9/2020 9:27:32 AM

Published by: PG Date Published:

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0 10 20 30 40 Kilometers

5.0 Risk Management Official Annual Report

Date: February 11, 2021
To: Mississippi-Rideau Source Protection Committee
From: Brian Stratton, Risk Management Official
Mississippi-Rideau Source Protection Region

Recommendation:

That the Mississippi-Rideau Source Protection Committee receive for information the Risk Management Official Annual Reports for the 2020 calendar year.

Background

The Mississippi-Rideau Source Protection Plan contains some policies that regulate significant drinking water threats using Part IV of the *Clean Water Act*. Municipalities are responsible for these Part IV policies however they have the option of transferring their enforcement authority to another body. In the Mississippi-Rideau Source Protection Region, all municipalities except the City of Ottawa have chosen to transfer their Part IV enforcement authority to the Source Protection Authorities (SPA) which is the Conservation Authorities. Qualified staff with specialized training have been appointed by the Source Protection Authority or Municipality to implement Part IV Policies in our region.

Risk Management Official Annual Reports

Section 81 of the *Clean Water Act* requires each Risk Management Official to submit an annual report that summarizes the actions taken by risk management staff. Each report applies to a calendar year and must be submitted to the SPA by February 1 in the year following the year to which the report applies. The report will be submitted to MECP if requested by the Director. Section 65 of the *Clean Water Act* Regulation 287/07 sets out the required content of the report.

Outside the City of Ottawa, the focus of 2020 was to work with property owners to establish Risk Management Plans for existing activities where required. Risk management staff completed work reaching out to property owners, conducting site visits and cataloguing the information gathered.

In the City of Ottawa, Risk Management staff retained assistance from the Mississippi-Rideau Source Protection Region to support Part IV policy implementation for existing significant drinking water threat activities. Risk Management staff reached out to property owners, conducted site visits and began work on Risk Management Plans for existing activities.

Attachments:

- Risk Management Official Annual Reports for 2020
 - 1. Rideau Valley Source Protection Area (2 reports)
 - 2. Mississippi Valley Source Protection Area (2 reports)

Risk Management Official Annual Report for the Mississippi Valley Source Protection Area

Required under Section 81 of the *Clean Water Act*

Risk Management Official (RMO): Brian Stratton, P. Eng.

Period: January 1- December 31, 2020

Source Protection Region: Mississippi-Rideau

Source Protection Area: Mississippi Valley

Municipalities:

- Beckwith Township
- Town of Carleton Place
- Town of Mississippi Mills

Required Report Content (under section 65 of O. Reg. 287/07)		Number	Details
1	Risk Management Plans agreed to by the RMO under subsection 56(1) or 58(5) of the Act and the number of plans established by the RMO under subsection 56(6), 58(10) or (12) of the Act	0	See below
2	Risk Management Plans the RMO refused to agree to or to establish under subsection 56(9), 58(15) or (16)	0	n/a
3	Orders issued under Part IV of the Act	0	n/a
4	Notices given to or by the RMO under subsection 61(2), (7) and (10)	0	n/a
5	Inspections carried out under section 62 of the Act (for the purpose of enforcement)	0	n/a
6	Risk assessments submitted under section 60 of the Act	0	n/a
7	RMO caused a thing to be done under section 64 of the Act	0	n/a
8	Prosecutions and convictions under section 106 of the Act	0	n/a

Risk Management Official Annual Report for the Mississippi-Rideau Source Protection Region Required under Section 81 of the *Clean Water Act*

Risk Management Official (RMO): Tessa Di Iorio, M.Sc., P.Geo.

Period: January 1- December 31, 2020

Source Protection Region: Mississippi-Rideau

Source Protection Area: Mississippi

Municipality: The City of Ottawa

Required Report Content (under section 65 of O. Reg. 287/07)		Number	Details
1	Risk Management Plans agreed to by the RMO under subsection 56(1) or 58(5) of the Act and the number of plans established by the RMO under subsection 56(6), 58(10) or (12) of the Act	0	n/a
2	Risk Management Plans the RMO refused to agree to or to establish under subsection 56(9), 58(15) or (16)	0	n/a
3	Orders issued under Part IV of the Act	0	n/a
4	Notices given to or by the RMO under subsection 61(2), (7) and (10)	0	n/a
5	Inspections carried out under section 62 of the Act (for the purpose of enforcement)	0	n/a
6	Risk assessments submitted under section 60 of the Act	0	n/a
7	RMO caused a thing to be done under section 64 of the Act	0	n/a
8	Prosecutions and convictions under section 106 of the Act	0	n/a

The City of Ottawa Risk Management Office implements Part IV policies, including:

- review of development applications within vulnerable areas made under the *Planning Act* related to new activities;
- Section 59 internal screening procedures for *Planning Act* and *Building Code Act* applications will be amended following the enactment of a Section 59 By-Law, which is being developed as part of the Official Plan and Zoning By-Law conformity updates;
- initial development of an RMO database to facilitate threats verification and RMP management for existing activities.

Rideau-Mississippi Source Protection staff was retained by the City to support Part IV policy implementation related to existing significant drinking water threat activities (fuel and agriculture), which includes verification of existing threats and if necessary, negotiating Risk Management Plans in vulnerable areas to safeguard drinking water sources. The Source Protection Support contract has been extended into 2021 to include existing DNAPL threats and complete the threats verification and RMP development related to fuel storage.

Risk Management Annual Report for the Rideau Valley Source Protection Area Required under Section 81 of the *Clean Water Act*

Risk Management Official (RMO): Brian Stratton, P. Eng.

Period: January 1- December 31, 2020

Source Protection Region: Mississippi-Rideau

Source Protection Area: Rideau Valley

Municipalities:

- Township of Drummond / North Elmsley
- Township of Rideau Lakes
- Township of Merrickville-Wolford
- Town of Smiths Falls
- Montague Township
- Tay Valley Township
- Municipality of North Grenville
- Village of Westport
- Town of Perth

Required Report Content (under section 65 of O. Reg. 287/07)		Number	Details
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5	Inspections carried out under section 62 of the Act (for the purpose of enforcement)	0	n/a
6	Risk assessments submitted under section 60 of the Act	0	n/a
7	RMO caused a thing to be done under section 64 of the Act	0	n/a
8	Prosecutions and convictions under section 106 of the Act	0	n/a

Description of Work Conducted in 2020 in the Rideau Valley Source Protection Area (Outside the City of Ottawa)

Our Risk Management staff worked with property owners to develop Risk Management Plans for the storage of fuel in the Rideau Valley Source Protection Area (outside of the City of Ottawa), specifically in Westport.

Details of Risk Management Plans Agreed To:

RMP Ref. #	Location	Vulnerable Area	Activity
Westport-2-FUEL	08420000422360000000	Westport	Fuel Storage

Risk Management Official Annual Report for the Mississippi-Rideau Source Protection Region Required under Section 81 of the *Clean Water Act*

Risk Management Official (RMO): Tessa Di Iorio, M.Sc., P.Geo.

Period: January 1- December 31, 2020

Source Protection Region: Mississippi-Rideau

Source Protection Area: Rideau

Municipality: The City of Ottawa

Required Report Content (under section 65 of O. Reg. 287/07)		Number	Details
1	Risk Management Plans agreed to by the RMO under subsection 56(1) or 58(5) of the Act and the number of plans established by the RMO under subsection 56(6), 58(10) or (12) of the Act	0	n/a
2	Risk Management Plans the RMO refused to agree to or to establish under subsection 56(9), 58(15) or (16)	0	n/a
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4	Notices given to or by the RMO under subsection 61(2), (7) and (10)	0	n/a
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6	Risk assessments submitted under section 60 of the Act	0	n/a
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8	Prosecutions and convictions under section 106 of the Act	0	n/a

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- review of development applications within vulnerable areas made under the *Planning Act* related to new activities;
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