

3. SOURCE WATER PROTECTION PLAN AMENDMENT FOR THE NEW  
KEMPTVILLE (NORTH GRENVILLE) MUNICIPAL WELL SYSTEM
- MODIFICATION DU PLAN DE PROTECTION DES SOURCES D'EAU EN  
RAISON DU NOUVEAU SYSTÈME DE PUIXS MUNICIPAUX DE  
KEMPTVILLE (NORTH GRENVILLE)

**COMMITTEE RECOMMENDATION**

That Council endorse the proposed amendment under Section 34 of the *Clean Water Act*, to revise the Mississippi-Rideau Source Protection Plan to add a new municipal well system for the Municipality of North Grenville into the Mississippi-Rideau Source Protection Plan and Assessment Reports.

**RECOMMANDATION DU COMITÉ**

Que le Conseil appui la modification proposée en vertu de l'article 34 de la *Loi sur l'eau saine*, afin de réviser le Plan de protection des sources de Mississippi-Rideau en vue d'ajouter un nouveau système de puits municipaux pour la municipalité de North Grenville au Plan de protection des sources de Mississippi-Rideau et aux rapports d'évaluation.

DOCUMENTATION

1. Director's Report, Infrastructure Services, Public Works and Environmental Services, dated 15 June 2021 (ACS2021-PIE-IS-0004).

Rapport de la directrice, Direction générale de la planification, Services des travaux publics et des services environnementaux, daté le 15 juin 2021 (ACS2021-PIE-IS-0004).

2. Extract of Draft Minutes, Standing Committee on Environmental Protection, Water and Waste Management, 29 June 2021.

Extrait de l'ébauche du procès-verbal, Comité permanent de la protection de l'environnement, de l'eau et de la gestion des déchets, le 29 juin 2021.

**STANDING COMMITTEE ON  
ENVIRONMENTAL PROTECTION,  
WATER AND WASTE MANAGEMENT**

**416**

**COMITÉ PERMANENT DE LA  
PROTECTION DE  
L'ENVIRONNEMENT, DE L'EAU ET  
DE LA GESTION DES DÉCHETS  
RAPPORT 17  
LE 7 JUILLET 2021**

**REPORT 17  
7 JULY 2021**

**Report to  
Rapport au:**

**Standing Committee on Environmental Protection, Water and Waste Management  
Comité permanent de la protection de l'environnement, de l'eau et de la gestion  
des déchets**

**29 June 2021 / 29 juin 2021**

**and Council / et au Conseil  
July 7, 2021 / 7 juillet 2021**

**Submitted on June 15, 2021  
Soumis le 15 juin 2021**

**Submitted by**

**Soumis par:**

**Carina Duclos ,**

**Director / Directrice**

**Infrastructure Services / Services de la planification**

**Planning, Infrastructure and Economic Development Department / Direction  
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**Ward: RIDEAU-GOULBOURN (21)**

**File Number: ACS2021-PIE-IS-0004**

**SUBJECT: Source Water Protection Plan Amendment for the new Kemptville  
(North Grenville) Municipal Well System**

REPORT 17  
7 JULY 2021

**OBJET:        Modification du Plan de protection des sources d'eau en raison du nouveau système de puits municipaux de Kemptville (North Grenville)**

## **REPORT RECOMMENDATION**

**That the Standing Committee on Environmental Protection, Water and Waste Management recommend Council endorse the proposed amendment under Section 34 of the *Clean Water Act*, to revise the Mississippi-Rideau Source Protection Plan to add a new municipal well system for the Municipality of North Grenville into the Mississippi-Rideau Source Protection Plan and Assessment Reports.**

## **RECOMMANDATION DU RAPPORT**

**Que le Comité permanent de la protection de l'environnement, de l'eau et de la gestion des déchets recommande au Conseil d'appuyer la modification proposée en vertu de l'article 34 de la *Loi sur l'eau saine*, afin de réviser le Plan de protection des sources de Mississippi-Rideau en vue d'ajouter un nouveau système de puits municipaux pour la municipalité de North Grenville au Plan de protection des sources de Mississippi-Rideau et aux rapports d'évaluation.**

## **BACKGROUND**

### **Source Water Protection**

[Source Water Protection](#) safeguards public health from drinking water threats by raising awareness and protecting our groundwater and surface water resources. Under the [Clean Water Act](#), municipalities must implement Source Protection Plans to protect existing and future sources of municipal drinking water from various threats.

The City of Ottawa has a proactive approach to raising public awareness and managing threats to drinking water resources as part of the Source Water Protection program, this includes developing risk management plans, outreach and communications to impacted residents. The City of Ottawa encompasses two source protection plans that contain policies to protect municipal drinking water resources:

- Mississippi-Rideau Source Protection Plan

**REPORT 17  
7 JULY 2021**

- Raisin-South Nation Source Protection Plan

Provincial Ministries, Conservation Authorities, and Municipalities all have different responsibilities for implementing Source Protection Plans. Municipalities have the primary responsibility to implement and enforce policies locally to manage drinking water threats and to implement planning and restricted land use policies.

The City of Ottawa regularly collaborates with neighbouring municipalities as defined protected areas and zones cross over municipal boundaries.

### **Kemptville (North Grenville) New Municipal Well System**

North Grenville is undergoing a project to expand the Kemptville Drinking Water System by adding a new well to accommodate additional demand. The Mississippi and Rideau Valley Source Protection Authorities are proposing an amendment to the Source Protection Assessment Reports and Source Protection Plan under Section 34 of the *Clean Water Act*, to include the revised Wellhead Protection Areas (WHPA).

The new delineated WHPA for the Kemptville well system will extend into the City of Ottawa, and therefore, legally binding source protection policies apply.

The WHPA for the existing Kemptville system already extends into the City of Ottawa. The City currently implements source protection policies within the existing Kemptville WHPA by screening new development applications within the area to ensure source protection policies are implemented, if required. The revised WHPA has a slightly different extent within the City. There are currently no significant drinking water threat activities within the revised Kemptville WHPA in the City boundary. New development applications will be screened as per established protocols.

Under the *Clean Water Act*, Council endorsement is required for Source Protection Plan amendments by all impacted municipalities, prior to proceeding to public consultation and prior to submitting for approval to the Ministry of Environment, Conservation and Parks.

This report outlines the proposed changes to the Kemptville WHPA and is seeking Council's endorsement of the proposed amendments to the Source Protection Assessment Reports and the Mississippi-Rideau Source Protection Plan.

**REPORT 17  
7 JULY 2021**

## **DISCUSSION**

### **Kemptville (North Grenville) New Well System**

North Grenville is undergoing a project to expand the Kemptville Drinking Water System by adding a new well to accommodate additional demand.

A revised Wellhead Protection Area (WHPA) map has been delineated based on the new demand and will extend into the City of Ottawa, Ward 21, within Document 1. This revision creates legally binding source protection policies, requiring Council's endorsement to proceed.

The goal of Source Protection is to manage or eliminate activities that are, or could become, significant threats to drinking water sources. Within this revised area, safeguards will be in place for non-residential storage and handling of certain chemicals, specifically products containing Dense Non-Aqueous Phase Liquids (DNAPL), including chemicals in some degreasers, cleaning agents and paints.

Document 1 provides a notice from the Mississippi-Rideau Source Protection Region with the following information:

- Background about the new well for the Kemptville (North Grenville) Municipal Well system and revised Wellhead Protection Area mapping;
- List of policies that apply within various WHPAs and the municipalities impacted by the amendment; and
- Request for endorsement of the amendments to the Rideau Valley Source Protection Assessment Report and Mississippi-Rideau Source Protection Plan by June 24, 2021.
- Staff have confirmed with the Source Protection Region that they will accept the endorsement from City of Ottawa Council by early July to allow the City of Ottawa adequate time to go through the legislative processes.

### **Development Applications**

City of Ottawa development applications are currently reviewed to include the WHPA and to ensure source protection policies apply.

**REPORT 17  
7 JULY 2021**

Once approved, the revised WHPA will be used on a go-forward approach for all City development applications.

### **Official Plan**

Drinking Water Protection Zones are included in the Official Plan, Schedule K. Once approved, Schedule K will require updating to include the revised Mississippi-Rideau Source Protection Plan to include the updated Kemptville WHPA.

### **Next Steps**

Subject to Council's endorsement, amendments to the Source Protection Assessment Reports and Mississippi-Rideau Source Protection Plan will be prepared by the Mississippi-Rideau Source Protection Region. The reports will be subject to public notification and public consultation and will be submitted to the Ministry of the Environment and Climate Change for review and approval, as required under the *Clean Water Act*.

### **RURAL IMPLICATIONS**

There are no rural implications associated with this report.

### **CONSULTATION**

As prescribed by the *Clean Water Act*, amendments to the Mississippi-Rideau Source Protection Plan will be subject to notification and public consultation, which will be led by the Mississippi-Rideau Source Protection Region.

### **COMMENTS BY THE WARD COUNCILLOR**

Information has been provided to the Ward Councillor and there are no concerns.

### **LEGAL IMPLICATIONS**

There are no legal impediments to Committee and Council's approval of the recommendation of this report.

### **RISK MANAGEMENT IMPLICATIONS**

There are no specific risk management implications, as indicated in the report, the purpose of the legislation is to mitigate risks to municipal drinking water.

**REPORT 17  
7 JULY 2021**

### **ASSET MANAGEMENT IMPLICATIONS**

There are no asset management implications with this report.

### **FINANCIAL IMPLICATIONS**

There are no direct financial implications.

### **ACCESSIBILITY IMPACTS**

There are no accessibility impacts associated with this report.

### **ENVIRONMENTAL IMPLICATIONS**

There are no environmental impacts associated with this report.

### **TERM OF COUNCIL PRIORITIES**

This project addresses the following Term of Council Priority:

- Environmental Stewardship and Sustainable Infrastructure.

### **SUPPORTING DOCUMENTATION**

Document 1 Notice from the Mississippi-Rideau Source Protection Region dated May 14, 2021. Source Protection Plan Amendment, Notice Seeking Municipal Council Resolution under S.34(2) of the *Clean Water Act* and Pre-Consultation Notice under Ontario Regulation 287/07

### **DISPOSITION**

Infrastructure Services will forward the Council resolution to the Source Protection Region and will continue protecting existing and future municipal drinking water sources.