



Source Protection Authority

Meeting Agenda

Date: June 18th, 2020

Time: Immediately *following* SNC Board of Directors Meeting

NOTE:

Conference call number, and Conference PIN number will be provided 48 hours in advance



Source Protection Authority

Meeting Agenda

June 18th, 2020, *immediately following SNC Board of Directors meeting*

1. Welcome
2. Approval of South Nation Source Protection Authority Agenda
3. Declaration of Conflict of Interest
4. Approval of Source Protection Authority Meeting Minutes of
April 18th, 2019 3-6
5. New Business
 - a. Annual Reporting to the Source Protection Authority 7-8
*Presented by Phil Barnes, Project Manager on behalf of
Michael Melaney, Risk Management Official*
 - b. Annual Reporting to the Ministry of Environment, Conservation and Parks 9-19
Presented by Phil Barnes, Project Manager
6. Next Meeting: *To Be Determined*
7. Adjournment

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Angela Coleman,
General Manager/Secretary-Treasurer.



SOUTH NATION SOURCE PROTECTION AUTHORITY MEETING

Thursday, April 18th, 2019 – 11:14 a.m. - Meeting No. 01/19
Watershed Room, SNC



Directors Present:

Bill Smirle, Stormont Dundas Glengarry, Chair
George Darouze, City of Ottawa, Vice Chair
Steve Densham, Stormont Dundas Glengarry
Doug Thompson, City of Ottawa, Past Chair
Michael Brown, City of Ottawa
Dana Farcasiu, Leeds Grenville
Gerrie Kautz, City of Ottawa
Daniel Lafleur, Prescott Russell
Pierre Leroux, Prescott Russell
Stéphane Sarrazin, Prescott Russell
Peggy Taylor, Leeds Grenville

Regrets:

Stephen Blais, City of Ottawa
Archie Mellan, Stormont Dundas Glengarry

Staff Present:

Angela Coleman, General Manager/Secretary-Treasurer
Carl Bickerdike, Team Lead, Corporate Services
Ronda Boutz, Team Lead, Special Projects
Linda Hutchinson, Director, Organization Effectiveness
Dianne MacMillan, Administrative Assistant II
Sandra Mancini, Team Lead, Engineering
Alison McDonald, Team Lead, Approvals
Eric McGill, Corporate Counsel
John Mesman, Team Lead, Communications and Outreach
Geoff Owens, Regulations Officer

Guests:

Phil Barnes, Project Manager, Raisin South Nation SWP
Ray Beauregard, Chair, SWP
Murray Inch, Committee Member



CHAIR'S REMARKS

Bill Smirle, SNC Source Protection Authority Chair, called the South Nation Source Protection Authority meeting of April 18th, 2019 to order at 11:14 a.m.

APPROVAL OF SOURCE PROTECTION AUTHORITY AGENDA

RESOLUTION NO. SPABD-001/19

Moved by: George Darouze
Seconded by: Michael Brown

RESOLVED THAT:

The Board of Directors approve the South Nation Source Protection Authority agenda of April 18th, 2019 as submitted.

CARRIED

DECLARATION OF CONFLICT OF INTEREST

Peggy Taylor, Leeds Grenville, declared a conflict of interest as SNC representative for the Source Protection Committee, therefore did not participate in voting or discussion on reports.

APPROVAL OF SOURCE PROTECTION AUTHORITY MEETING MINUTES OF NOVEMBER 22ND, 2018

RESOLUTION NO. SPABD-002/19

Moved by: Michael Brown
Seconded by: Pierre Leroux

RESOLVED THAT:

The South Nation Source Protection Authority approve the meeting minutes of November 22nd, 2018 as submitted.

CARRIED

NEW BUSINESS

UPDATE: SOURCE PROTECTION PROGRAM

Phil Barnes, Project Manager, Raisin South Nation SWP updated the Members on the Source Protection Program.



REQUEST FOR APPROVAL: APPOINTMENT OF RISK MANAGEMENT INSPECTORS

RESOLUTION NO. SPABD-003/19

Moved by: Pierre Leroux
Seconded by: Dana Farcasiu

RESOLVED THAT:

That, pursuant to subsection 48(2) of the *Clean Water Act*, the South Nation Source Protection Authority appoint:

1. Sylvie Fracassi as Risk Management Inspector
2. Laura Crites as Risk Management Inspector

CARRIED

Michael Brown, City of Ottawa left the meeting at 11:32 a.m.

Pierre Leroux, Prescott Russell left the meeting at 11:39 a.m.

UPDATE: ANNUAL PROGRESS REPORT ON IMPLEMENTATION TO THE PROVINCE

RESOLUTION NO. SPABD-004/19

Moved by: Stéphane Sarrazin
Seconded by: Gerrie Kautz

RESOLVED THAT:

The South Nation Source Protection Authority approve the Annual Progress Report on Implementation to the Province, as presented.

CARRIED

REQUEST FOR APPROVAL: ANNUAL PROGRESS REPORT TO THE SOUTH NATION SPA

RESOLUTION NO. SPABD-005/19

Moved by: Stéphane Sarrazin
Seconded by: Steve Densham

RESOLVED THAT:

The South Nation Source Protection Authority receive and file the Annual Reporting to the South Nation SPA report, as presented.

CARRIED

NEXT MEETING

To Be Determined.



SOUTH NATION
CONSERVATION
DE LA NATION SUD

ADJOURNMENT

RESOLUTION NO. SPABD-006/19

Moved by: Doug Thompson
Seconded by: Dana Farcasiu

RESOLVED THAT:

The South Nation Source Protection Authority
meeting of April 18th, 2019 be adjourned
at 11:49 a.m.

CARRIED

Original Signed Copy on File

Bill Smirle,
Chair, South Nation SPA.

Angela Coleman,
General Manager/Secretary-Treasurer.

/dm

To: South Nation Source Protection Authority
From: Michael Melaney
Date: June 18, 2020
Subject: Annual Reporting to the Source Protection Authority

Recommendation: That the South Nation Source Protection Authority receive and file the Municipal Annual Reporting to the Source Protection Authority.

Background: The Source Protection Plan for the South Nation Source Protection Area has policies that require Risk Management Officials, Municipalities and Ministries to report annually to the Source Protection Authority (SPA).

Discussion: The Risk Management Offices was able to complete 99% of the Risk Management Plans (RMPs) throughout the Region prior to 2019. 99% of the significant drinking water threats, subject to an RMP are considered managed. Most of the required septic inspections have been completed. There are 22 outstanding inspections required near the Shadow Ridge well system in Greely (Ottawa). These are currently scheduled with the Ottawa Septic System Office.

Highlights:

1. There were no new RMPs negotiated in 2019 (therefore no new additional properties managed by an RMP or activities managed).
2. The Risk Management Offices continued to screen Planning Act or Building Act applications within the region and issue Section 59 Notices as required.
3. There were no new orders issued through the powers of the Clean Water Act.

Table 1: Risk Management Office Activity for South Nation Source Protection Area

Risk Management Office Highlights for South Nation Source Protection Area	Up to end of 2018	New in 2019	Total
Risk Management Plans established	78	-	78
Parcels managed by a Risk Management Plan	215	-	215
Activities managed by a Risk Management Plan	295	-	295
Safe Septic Inspections	167	-	167
Planning Act or Building Act applications screened	115	26	141
Section 59 Notices Issued	195	9	204
Orders Issued	0	-	0

The following table breaks down the number of Risk Management Plans and the number of parcels managed throughout the region by Source Protection Area and municipality.

Table 2: Risk Management Plans (RMPs) and Affected Parcels within the Source Protection Region

	End of 2018		New, 2019		End of 2019	
	RMPs	Parcels	RMPs	Parcels	RMPs	Parcels
Raisin Region Source Protection Area						
Cornwall	-	-	-	-	-	-
North Glengarry	3	4	-	-	3	4
South Glengarry	1	2	-	-	1	2
South Stormont	-	-	-	-	-	-
South Nation Source Protection Area						
Alfred and Plantagenet	4	5	-	-	4	5
Augusta	-	-	-	-	-	-
Casselman ‡	0	1	-	-	0	1
Champlain	1	1	-	-	1	1
Clarence-Rockland	-	-	-	-	-	-
East Hawkesbury †	-	-	-	-	-	-
Edwardsburgh/Cardinal	2	2	-	-	2	2
Elizabethtown-Kitley †	-	-	-	-	-	-
Hawkesbury	-	-	-	-	-	-
The Nation / La Nation	31	74	-	-	31	74
North Dundas	28	49	-	-	28	49
North Grenville †	-	-	-	-	-	-
North Stormont	11	26	-	-	11	26
Ottawa	1	1	-	-	1	1
Prescott	-	-	-	-	-	-
Russell	-	-	-	-	-	-
South Dundas	-	-	-	-	-	-

† These municipalities, or the portion within the Source Protection Area, do not have drinking water systems that are subject to the Clean Water Act.

‡ There are no Risk Management Plans within the Village of Casselman; however, there is one parcel within the village that is subject to an RMP that is negotiated within The Nation Municipality.

Michael Melaney, P.Eng.,
Risk Management Official,
South Nation Source Protection Area.

TO: South Nation Source Protection Authority
FROM: Phil Barnes
DATE: June 18, 2020
SUBJECT: Annual Reporting to the Ministry of Environment, Conservation and Parks

Recommendation: That the South Nation Source Protection Authority receive and file the Source Protection Annual Progress Report as attached; and further, that the South Nation Source Protection Authority submit the Annual Progress Report to the Ministry of Environment Conservation and Parks.

Background: Section 46 (1) of the Clean Water Act requires that source protection authorities shall annually prepare and submit to the Director and the source protection committee in accordance with the regulations a report that,

- (a) describes the measures that have been taken to implement the source protection plan, including measures taken to ensure that activities cease to be significant drinking water threats and measures taken to ensure that activities do not become significant drinking water threats;
- (b) describes the results of any monitoring program conducted pursuant to section 45;
- (c) describes the extent to which the objectives set out in the source protection plan are being achieved; and
- (d) contains such other information as is prescribed by the regulations. 2006, c. 22, s. 46 (1).

Discussion: This will be the third annual report that has been submitted to the province on annual progress. The province is asking Source Protection Committees to score progress using one of three marks:

P: Progressing Well/On Target – The majority of policies have been implemented and/or are progressing

S: Satisfactory – Some of the policies have been implemented and/or are progressing.

L: Limited progress – A few of the policies have been implemented and/or are progressing.

We are at level P (Progressing Well) as all our policies are implemented and 99% of the significant drinking water threats have been mitigated. There are still a few septic inspections to be carried out. In the Project Manager's opinion, the implementation success was a direct result of Provincial Funding to small municipalities at the onset of the program, and the coordinated effort at the Conservation Authorities.



Phil Barnes, P.Eng.
Project Manager, Source Water Protection



Source Protection Annual Progress Report | 05/01/2020

I. Introduction

This annual progress report outlines the progress made in implementing our source protection plan(s) for the Raisin Region Source Protection Area and the South Nation Source Protection Area as required by the Clean Water Act and regulations.

II. A message from your local Source Protection Committee

Our progress score on achieving source protection plan objectives this reporting period:



P : Progressing Well/On Target – The majority of the source protection plan policies have been implemented and/or are progressing.



S : Satisfactory – Some of the source protection plan policies have been implemented and/or are progressing.



L : Limited progress – A few of source protection plan policies have been implemented and/or are progressing.

The objectives of the Source Protection Plan, as per Ontario Regulation 287/07, Section 22(1) are:

1. To protect existing and future drinking water sources in the source protection area; and,
2. To ensure that, for every area identified in an assessment report as an area where an activity is or would be a significant drinking water threat that,
 - i. The activity never becomes a significant drinking water threat, or
 - ii. If the activity is occurring when the source protection plan takes effect, the activity ceases to be a significant drinking water threat.

The policies were developed by taking into consideration the following three guiding principles:

1. Effectiveness (does the policy effectively protect sources of drinking water).
2. Appropriateness (is the policy practical and does it avoid regulatory duplication).
3. Fiscal Responsibility (is the policy cost-effective and reasonable).

99% the activities identified as significant drinking water threats in the Assessment Reports for the source protection areas have been removed or mitigated through risk management measures.

The risk management measures implemented are effective, appropriate and fiscally responsible.

III. Our Watershed

To learn more, please read our assessment report(s) and source protection plan(s).

The Raisin-South Nation Source Protection Region encompasses a land mass of over 7,000 km² and is comprised of two Source Protection Areas: Raisin Region Source Protection Area (2,000 km²) and South Nation Source Protection Area (5,000 km²). The total population of the region as per the 2016 census was 273,687. The total population served by municipal drinking water systems is 129,239.

Raisin Region Source Protection Area

The Raisin Region Source Protection Area is comprised of the Raisin Region Conservation Authority's jurisdiction, plus some additional watershed-based area to the south west (Nash Creek) and north (Rigaud River).

The following municipal drinking water sources are protected by the source protection plan:

- Redwood Estates (Township of South Glengarry), 1 groundwater well
- Glen Robertson (Township of North Glengarry), 1 groundwater well
- Long Sault (Township of South Stormont), 1 surface water intake
- Cornwall (City of Cornwall), 1 surface water intake
- Glen Walter (Township of South Glengarry), 1 surface water intake
- Lancaster (Township of South Glengarry), 1 surface water intake
- Alexandria (Township of North Glengarry), 1 surface water intake

South Nation Source Protection Area

The South Nation Source Protection Area includes the jurisdiction of South Nation Conservation with the addition of the Town of Prescott and additional watershed-based area to the north east along the Ottawa River.

The following municipal drinking water sources are protected by the source protection plan:

- Vars (City of Ottawa), 2 groundwater wells
- Limoges (The Nation Municipality), 2 groundwater wells
- Shadow Ridge, Greely (City of Ottawa), 1 groundwater well
- Chrysler (Township of North Stormont), 2 groundwater wells
- Moose Creek (Township of North Stormont), 3 groundwater wells
- Finch (Township of North Stormont), 2 groundwater wells
- Winchester (Township of North Dundas), 6 groundwater wells
- Chesterville (Township of North Dundas), 2 groundwater wells
- Newington (Township of South Stormont), 2 groundwater wells
- Bennett St., Spencerville (Township of Edwardsburgh/Cardinal), 1 groundwater well
- Prescott (Town of Prescott), 1 surface water intake
- Cardinal (Township of Edwardsburgh/Cardinal), 1 surface water intake
- Morrisburg (Township of South Dundas), 1 surface water intake
- Rockland (City of Rockland), 1 surface water intake
- Wendover (Township of Alfred-Plantagenet), 1 surface water intake
- Lefaivre (Township of Alfred-Plantagenet), 1 surface water intake
- Hawkesbury (Town of Hawkesbury), 1 surface water intake
- Casselman (Village of Casselman), 1 surface water intake

There are communities within the South Nation Source Protection Area that are serviced through regional distribution systems where the municipal sources of water are protected through the Source Protection Plan of the Mississippi-Rideau Source Protection Region (i.e. Carlsbad Springs, Russell, Embrun, Marionville).

IV. At a Glance: Progress on Source Protection Plan Implementation

1. Source Protection Plan Policies

P : Progressing Well/On Target

All the policies (100%) that address significant drinking water threats are implemented, in progress or have been evaluated and determined to require no further action(s).

2. Municipal Progress: Addressing Risks on the Ground

18 municipalities in our source protection region have vulnerable areas where significant drinking water threat policies apply. These municipalities include: City of Cornwall, City of Ottawa, City of Clarence-Rockland, Village of Casselman, Town of Prescott, Town of Hawkesbury, Champlain Township, Township of Edwardsburgh/Cardinal, Township of Alfred and Plantagenet, Russell Township, The Nation Municipality, Augusta Township, Township of North Dundas, Township of South Dundas, Township of North Stormont, Township of South Stormont, Township of North Glengarry and the Township of South Glengarry.

All the municipalities (100%) in our source protection region have processes in place to ensure that their day-to-day planning decisions conform with our source protection plans. The two largest municipalities (City of Ottawa and the City of Cornwall) have designated their own Risk Management Officials for this purpose, while the remaining municipalities have designated the local conservation authorities for risk management duties. Risk Management Officials screen building permits and planning applications in the vulnerable areas.

Municipalities in our source protection region also are required to take the next step to review and update their Official Plan to ensure it conforms with the local source protection plans the next time they undertake an Official Plan review under the Planning Act.

Upper tier municipalities in our region (United Counties of Stormont, Dundas and Glengarry, United Counties of Prescott-Russell, United Counties of Leeds and Grenville) have all included source protection in their Official Plan amendments. The Source Protection Committee and staff will work with the single tier municipalities (City of Cornwall, City of Ottawa, Town of Prescott) with future Official Plan amendments.

3. Septic Inspections

P : Progressing Well/On Target

To date 250 of 274 total septic systems have been inspected as per the Ontario Building Code. Of those requiring inspection, 22 are existing from the original Assessment Report, and two are recent additions.

The on-site sewage inspection program varies across the Source Water Protection Region. Septic systems within the City of Ottawa are inspected by the Ottawa Septic System Office (OSSO). The Townships of North Glengarry and South Glengarry retain their own septic inspectors. The remaining municipalities where septic systems are considered a significant threat have delegated septic inspection to the South Nation Conservation Septic Inspection Office.

With the exception of the City of Ottawa septic systems, the original septic systems identified in the Assessment Report were inspected through the Source Protection Municipal Implementation Fund (SPMIF) which was available for small municipalities to offset initial implementation costs of Source Water. The costs of future inspections will fall onto municipalities and they will decide how to recover the costs of the inspections.

Previous year's response for context:

91% of on-site sewage systems have been inspected in accordance with the Ontario Building Code. Inspection results found the majority are functioning as designed. 12% required minor maintenance work (pump out etc.), and 6 tanks required replacement.

4. Risk Management Plans

P : Progressing Well/On Target

Since our source protection plan took effect, a total of 106 risk management plans have been established. A single risk management plan can apply to multiple properties. The total number of properties covered by a risk management plan is 220. No new risk management plans were established this past year.

No inspections were carried out or planned by a Risk Management Official/Inspector for prohibited or regulated activities.

We anticipate there is a 100% compliance rate with the risk management plans established in our source protection region.

5. Provincial Progress: Addressing Risks on the Ground

P : Progressing Well/On Target

Ontario ministries are reviewing previously issued provincial approvals (i.e., prescribed instruments, such as environmental compliance approvals under the Environmental Protection Act) where they have been identified as a tool in our plan to address existing activities that pose a significant risk to sources of drinking water. The provincial approvals are being amended or revoked where necessary to conform with plan policies. Our policies set out a timeline of 3 years to complete the review and make any necessary changes. The ministries have completed this for 100% of previously issued provincial approvals in our source protection region.

6. Source Protection Awareness and Change in Behaviour

Within the Raisin-South Nation Source Protection Region, 87 Drinking Water Protection Zone signs have been installed (10 on provincial 400-series highways, and 77 on municipal roads).

The local conservation authorities have continued to deliver education and outreach programming at local fairs and events throughout the region. Joint social media promotions with Conservation Ontario have also been successful. Conservation authority staff and SPC members have also met with municipal councils to maintain awareness about source water protection.

7. Source Protection Plan Policies: Summary of Delays

This is not applicable to our source protection region.

8. Source Water Quality: Monitoring and Actions

In our source protection region/area, water quality from both groundwater and surface water sources showed no evidence of analytical quality issues either chemical or bacteriological thereby reflecting compliance with the Ontario Drinking Water Objectives in all municipal annual reports. No issues were identified in our local assessment report(s) regarding the quality of the source(s) of municipal drinking water.

The source protection authorities continue to work with municipalities in pro-actively identify trends in source water quality which could trigger a formal issues evaluation process and require additional environmental monitoring.

9. Science-based Assessment Reports: Work Plans

No work plans were required to be implemented for our assessment report(s).

10. More from the Watershed

To learn more about our source protection region/area, visit our website at: yourdrinkingwater.ca.

The region's success with implementing the source protection plans can be attributed to a coordinated and consistent effort in addressing the activities listed as drinking water threats. Small municipalities, within the source protection region have benefited from delegating municipal enforcement of the Clean Water Act to the respective conservation authorities. Staff at both conservation authorities have worked together to develop streamlined risk management practices; documentation; data management systems; and, education and outreach materials.

Funding for initial source protection implementation was made possible for small municipalities through the provincial Source Protection Municipal Implementation Fund. Without this fund, municipalities in our region would have faced financial challenges establishing the risk management plans. The fund removed the burden of a potential surcharge to landowners requiring risk management plans. This resulted in a more expedient and pleasant risk management plan negotiation process.

While some large municipalities may potentially have the capacity to deliver source protection programs, many medium and small sized municipalities will struggle to afford the additional cost.

Continued provincial funding and support for the Source Protection Program is essential to empower small and rural municipalities to mitigate risk and deliver safe, clean, drinking water thus ensuring small municipalities and rural Ontario stays open for business.

11. Photos from around the Source Protection Region



- a. Promoting ways to protect drinking water, Social Media Campaign
- b. Source water protection demonstration at the Williamstown Fair
- c. Presenting at World Wetlands Day with the Mohawks of Akwesasne
- d. Discussing intake protection zones at "All About the River" event in South Dundas
- e. Attending Ontario East Municipal Conference
- f. Road Salt awareness, Social Media Campaign
- g. Stream of Dreams, education program
- h. Source water protection zone road sign awareness
- i. Launch of updated Source Protection website, AODA compliant and mobile friendly
- j. Promoting source water protection, Social Media Campaign
- k. South Nation Conservation's Geoportal, highlighting source protection features
- l. Promoting "Drinking Water Week"
- m. Teaching source protection at Cornwall Water Festival
- n. Promoting Conservation Ontario's "Drinking Water Protection" video