



DSWP Newsletter

Amended Source Protection Plan Consultation January 12 – March 7, 2016

Consultation activities include:

- Media Release to local media outlets
- Landowners in the Events-based Areas were sent information packages
- Landowners in the Water quantity policy area were sent information packages
- Two public meetings were held; on February 3 at Grey Sauble Conservation Authority in Owen Sound and on February 9 at the Plex in Port Elgin. Interested landowners, Source Protection Committee members and municipal staff attended these events.
- Stakeholders including: municipal and county CAOs/Clerks, Source Protection Authorities, local First Nations, neighbouring Source Protection Region and policy applicable Provincial Ministries were sent notice letters and information.

This Source Protection Region is the first to prepare an amendment to their Source Protection Plan for submission to the Ministry of the Environment and Climate Change. The process is similar in many ways to previous document submissions to the Province for approval. For an amendment under section 34(3) of the *Clean Water Act, 2006*, a municipal council resolution is required from affected municipalities endorsing the proposed amendments to the Source Protection Plan in the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region. It is important to note that these policies were developed to address significant drinking water threats. If not addressed through this amendment to the Source Protection Plan, then existing municipal responsibilities under the *Safe Drinking Water Act* still apply.

The proposed amendments are currently posted for public consultation. The proposed amendments to the approved Source Protection Plan include new Events-based area policies and maps for fuel threats to Great Lakes intakes, new policies to address water budget technical work and water quantity threats for the Municipality of Brockton.

New Events-based area policies are directed towards protecting Great Lakes intakes in Kincardine, Lion's Head, Meaford, Owen Sound, Southampton, Thornbury and Wiarton based on modelling results from fuel spills that have the potential to impact drinking water sources. A Technical Advisory Working Group with representation from all the municipalities using Great Lakes intakes in this Source Protection Region was assembled to look at these Events-based Areas. Together with Drinking Water Source Protection staff and Source Protection Committee members, the Working Group reviewed the technical work and drafted the policies. These policies are meant to manage the activities so that they cease to be significant drinking water threats to municipal drinking water sources.

Additional updates of note for the Source Protection Region include:

- Tier 3 Water Budget technical work that has resulted in water quantity threat policies for the Municipality of Brockton. These policies will be reviewed with the Municipality of Brockton and all affected property owners.

- Other minor grammatical and wording changes were also made along with minor changes to some threat policies to help clarify implementation requirements for implementing bodies. Of note the snow threat policies: 14-01, 14-02 have been updated to more clearly identify storage area and whether the snow storage is for a surface water or groundwater system based on the Tables of Circumstances to save the reader the step of finding and referencing the Tables for these policies.

Municipal Role in Implementation – Source Protection Plan comes into effect July 1, 2016

- Municipalities are encouraged to make a decision on the type of Risk Management Official/Risk Management Inspector arrangements they plan to implement.[i.e. retain, partner or delegate responsibilities]
- Part IV implementation responsibilities
 - Appointing Risk Management Officials/Risk Management Inspectors to verify significant drinking water threats for properties within the municipality
 - Negotiating Risk Management Plans with landowners, monitoring and enforcing policies
- Land Use Planning
 - Land use planning procedures and decision
 - Official Plan amendments
 - Screening and review process for building permits and land use applications – s. 59 that may be in a vulnerable area
 - Have templates to proceed or deny applicants
- Monitoring and annual reporting to local Source Protection Authority

Ministry of the Environment and Climate Change update

New Source Water Protection Map now available on <https://www.ontario.ca/page/source-protection> or <http://www.applications.ene.gov.on.ca/swp/en/>

This interactive map provides the first provincial view of the more than 970 wellhead protection areas and 150 intake protection zones within the source protection areas in Ontario.

You can access over 20 layers of information every time you do a customised search. For the first time, the public will be able to see the wellhead protection areas and intake protection zones of the lakes, rivers and aquifers that supply their drinking water. This tool provides them with information needed to make informed property-based decisions. As well, this tool will help ministries and other agencies implement source protection plan policies.

Source Protection Municipal Implementation Funding now extended to include local intakes

Moving forward, the Ministry of the Environment and Climate Change have considered recommendations that project managers and chairs have shared with them for consideration and are pleased to offer additional flexibility measures under SPMIF, which include:

- Travel, Meals and Accommodations (to support municipally-appointed RMOs)
- Equipment (in support of conducting inspections and preparing RMPs)
- Training (to support municipally-appointed RMOs)
- Non-Lead Implementing Body Responsibilities (to support collaborating opportunities)
- Pooling of Funds (to support further collaboration opportunities)

- Three-Month Spending Extensions (to provide additional time)

Funds can be used as they relate to policies which specify that the municipality is required to implement one or more of the following significant drinking water threat policies:

- Policies for the purpose of Part IV of the Clean Water Act, 2006;
- Policies that govern Planning Act decisions;
- Policies that establish education and outreach programs; or
- Policies that specify other types of actions the municipality is required to take.

An infosheet has been posted with more frequently asked questions for this funding at <http://www.waterprotection.ca/municipal.htm>

Quick Facts from the Ministry of the Environment and Climate Change (MOECC)

- Additional Resources from MOECC - <http://www.ontario.ca/page/source-protection>

Drinking Water Protection Zone Road Signs

Road signs are starting to go up around the province notifying people that they are entering a Drinking Water Protection Zone. The Drinking Water Source Protection office is working with MOECC and Ministry of Transportation Ontario to determine locations and timing for installation of signs on provincial roads where Source Protection Municipal Implementation Funding (SPMIF) agreements have been amended by the MOECC. The new SPMIF guidance allows for SPMIF to be used for purchase and installation of municipal road signs (**so long as** you write to MOECC to have your agreement amended). Please contact Teresa at the information below if you have questions regarding this matter.

Contact:

Teresa McLellan, Liaison Officer, Source Protection Programs Branch, Ministry of Environment & Climate Change,

teresa.mclellan@ontario.ca 1-519-873-5113

In Clarksburg, you will find one of this Region's Drinking Water Protection Zone signs



Meetings and key dates

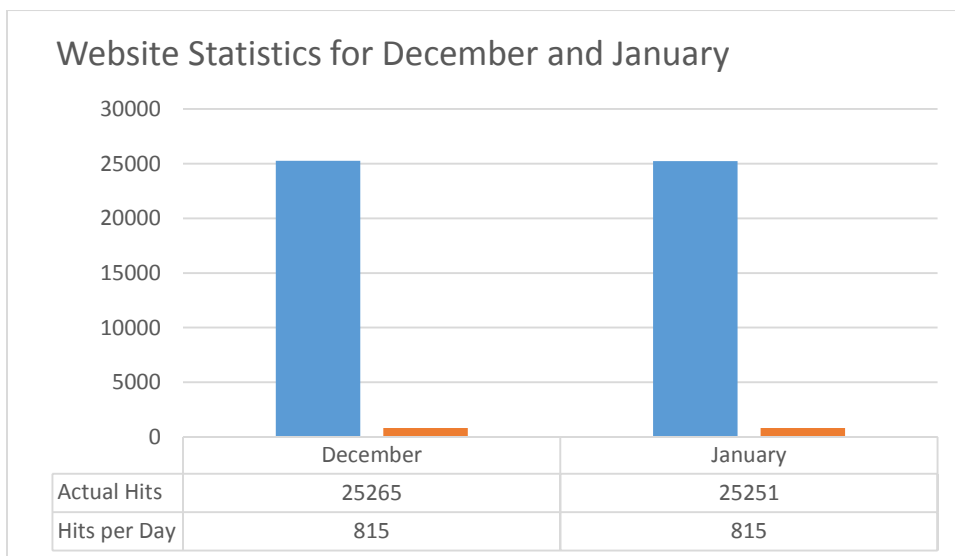
Source Protection Committee Meeting, on March 18, 2016, 9:30-1:00 pm. Agenda will be posted to www.waterprotection.ca when available. The meeting is open to the public.

Website statistics for December 2015 and January 2016

The following two charts represent the website hits or visits for each of the last two months. The chart displays the total actual hits for the month in blue and the average hits or visits per day in orange.

To optimize accuracy, the hits/visits to the www.waterprotection.ca website have been corrected to remove any search engine/robot type software not associated with an actual person visiting the site. The top visited pages and downloaded items for the www.waterprotection.ca website were:

- Taking Care of Your Drinking Water – A Guide for Members of Municipal Councils
- Approved Source Protection Plan – Complete Text
- Explanatory Document – Appendix A3 Comments from Implementing Bodies and Public from previous document consultation
- Municipal implementation responsibilities section of Municipal page
- Source Protection Plan maps for Owen Sound and Wiarton Events-based Areas
- Watershed Maps for Grey Sauble Conservation Authority



Municipal Toolbox Items

Visit <http://waterprotection.ca/municipal.htm> for resources and administrative items that can be viewed, downloaded and/or personalized for municipal implementation

Try out the local Drinking Water Source Protection Public Mapping site available at [Interactive Vulnerable Areas Mapping Application](http://www.waterprotection.ca) link at www.waterprotection.ca

You can view the Source Protection Region and see each Wellhead Protection Area (WHPA) and Intake Protection Zone (IPZ). When you select a coloured area, a chart will appear with the system name, WHPA or IPZ name, vulnerability score, status and references where applicable. This information is a useful tool when reviewing the Source Protection Plan policies. In Chapter 5 of the Source Protection Plan there are tables for each vulnerability score and zone to make finding the policies that apply to a property quicker. Chapter 6 contains the policies.

Resources for Risk Management Staff to share with Agricultural Property Owners:

The Ontario Federation of Agriculture (OFA) and its Ontario Farm Environmental Coalition (OFEC) partners are pleased to provide readers with an electronic copy of the Farm Source Water Protection Framework and Report Template.

The template has been posted as a downloadable document to facilitate its use by farmers.

<http://www.ofa.on.ca/issues/overview/source-water-protection-framework>

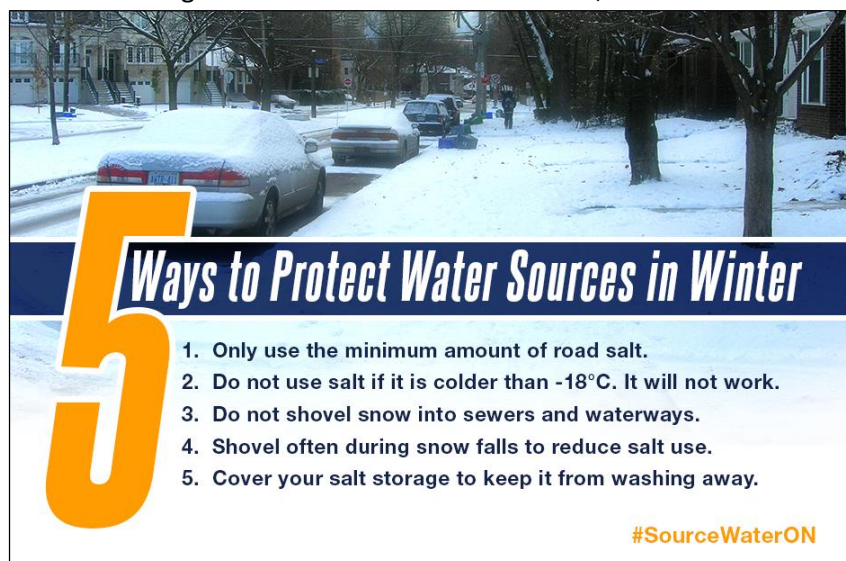
Please note that not all policies in the local Source Protection Plan are addressed using this document but it is a starting point for the negotiation process with the local Risk Management Staff.

Education and Outreach Resources

– valuable tools when talking to landowners and preparing them for implementation

Available through Conservation Ontario's website <http://conservation-ontario.on.ca/library>

- ◆ General Source Water Protection Messages
- ◆ Hazardous Liquids
- ◆ Road Salt/Snow Storage
- ◆ On-site Sewage (Septic) Systems
- ◆ Agriculture, Nutrients and Pesticides
- ◆ Heating and Liquid Fuels
- ◆ Education and Outreach Campaign-in-a-Box toolkit - (e.g. social media strategies, plans and infographics)
- ◆ Infographics like the one below can be used in tax statements, mailings and on municipal social media and websites – contact Karen Gillan if you would like this graphic, others will be featured in future newsletters and on Drinking Water Source Protection website, Facebook and Twitter feeds



Glossary of Common Drinking Water Source Protection Terms and Initialisms

EBA = Events-based area, is part of the IPZ-1, IPZ-2, IPZ-3 where activities under the modelled conditions may be considered a threat to drinking water sources. IPZs don't overlap each other, an EBA can overlap the IPZs.

IPZ-Q= Intake Protection Zone, is a zone established around a municipal surface water intake as prescribed by the Technical Rules: *Clean Water Act, 2006*. The IPZ-1 is a circle that has a radius of 1000 metres (1 km) from the crib of the surface water intake that serves as the source or entry point of raw water supply for the system. The Assessment Report identified that where the area delineated includes land, the IPZ-1 included a setback on the land of up to 120 metres and the area regulated by Conservation Authorities where applicable, where the 1000 m circle touches the land. An area known as IPZ-2 was delineated in the Assessment Report based on an area where a modelled contaminant released would take two hours to travel to the intake. It includes the onland area that drains to the surface water intake, using both natural features and water management infrastructure. IPZ-3 includes the area where a contaminant could reach the intake during an extreme event such as a flood (not all intakes will have an IPZ-3). IPZ-Q, corresponds to the drainage area that contributes surface water to an intake, and the area that provides recharge to an aquifer that contributes groundwater discharge to the drainage area. Part VI.7 of the Technical Rules specifies the rules with respect to the delineation of IPZ-Q (Matrix, 2016).

Vulnerability score = a score representing the susceptibility of an area to contamination. These scores are based on Technical Rules: *Clean Water Act, 2006*, where 10 is the most vulnerable and 2 is the least vulnerable. In a wellhead protection area (WHPA), significant threats are possible where the score is greater than 8 (dense non-aqueous phase liquids can be significant in WHPA-A, B or C).

WHPA = Wellhead Protection Area is one of four types of vulnerable areas identified in the *Clean Water Act*. It is the zone around a drinking water well. The WHPA-A is the 100 metre circle centred on the wellhead. The WHPA-B is the two year time-of-travel. WHPA-C is the five year time-of-travel. WHPA-D is the 25 year time-of-travel. WHPA-E is associated with a GUDI (groundwater under the direct influence of surface water) well is the area within which the surface water could reach the well within two hours.

WHPA-Q (local area) is associated with an area that has a water quantity threat; WHPA-QI is mapped as the combined area of the cone of influence of the well and the whole of the cones of influence of all other wells that intersect that area.

DWSP
Newsletter

Drinking Water Source Protection

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<https://www.facebook.com/pages/Drinking-Water-Source-Protection>

https://twitter.com/DWSP_Saugeen