

Applicable Drinking Water Source Protection Policies

Plan	Policy Subject	Policy No.	Policy Statement
South Georgian Bay Lake Simcoe Source Protection Region Approved Source Protection Plan ¹	Wastewater Treatment / Sewer System	SEWG(b) – 1	<i>Where the Ontario Water Resources Act does not require an approval, the existing establishment, operation or maintenance of a wastewater treatment plant and associated sewer systems is designated for the purposes of Section 58 of the Clean Water Act, and therefore requires a risk management plan where the activity is a significant drinking water threat. The risk management plan will include appropriate terms and conditions to ensure that the existing activity ceases to be a significant drinking water threat.</i>
		SEWG(b) – 2	<i>Where the existing establishment, operation or maintenance of a sewage treatment plant, sanitary sewers and related pipes, sewage treatment plant by-pass discharge to surface water, and sewage treatment plant effluent discharge (including lagoons) is a significant drinking water threat, the MOECC shall ensure that the Environmental Compliance Approval that governs these activities includes appropriate terms and conditions to ensure that the activity ceases to be a significant drinking water threat.</i>
		SEWG(b) – 4	<i>Where the future establishment, operation or maintenance of sanitary sewers and related pipes would be a significant drinking water threat, the MOECC shall incorporate appropriate terms and conditions into the Environmental Compliance Approval to ensure the activity does not become a significant drinking water threat.</i>
		SEWG(b) – 5	<i>Municipalities shall consider the implementation of programs to remove connections of stormwater sources to sanitary sewers to reduce surges in volumes during inflow/outflow, the removal of combined sewer overflow outlets to surface water and the establishment of upgrade priorities that focus on vulnerable areas where the activity is a significant drinking water threat.</i>
		SEWG(c) – 1	<i>Where an existing large (more than 10,000 litres) on-site sewage system is a significant drinking water threat, MOE shall ensure that the Environmental Compliance Approval that</i>

¹ MOECC (2015). South Georgian Bay Lake Simcoe Source Water Protection Plan. Retrieved from <http://ourwatershed.ca/assets/uploads/2018/02/Source-Protection-Plan.pdf>

	On-site Sewage Systems		<i>governs the on-site sewage system includes appropriate terms and conditions to ensure that the activity ceases to be a significant drinking water threat.</i>
		SEWG(c) – 2	<i>The future establishment of a large (more than 10,000 litres) on-site sewage system is prohibited where the activity would be a significant drinking water threat.</i>
		SEWG(c) – 3	<i>Where services and capacity exist, municipalities are encouraged to consider enacting by-laws to require mandatory connection to municipal waste water systems in vulnerable areas where the on-site sewage system is a significant drinking water threat.</i>
		SEWG(c) – 4	<i>Municipalities shall implement an inspection program for small on-site sewage systems that are located in vulnerable areas where they are a significant drinking water threat in accordance with the Ontario Building Code.</i>
Credit Valley, Toronto and Region, Central Lake Ontario Approved	Septic Systems Governed under the Building Code Act	SWG-1	<p><i>A prioritized maintenance inspection program for septic systems including holding tanks, governed under the Building Code Act in locations where the threat is, or would be significant, shall be implemented by the municipality or Principal Authority under the Ontario Building Code no later than January 2017. Inspection efforts should be prioritized based on systems that pose the greatest risk to sources of drinking water, such as the oldest systems or those in any of the areas of highest vulnerability:</i></p> <ul style="list-style-type: none"> <i>• WHPA-A (existing, future); or</i> <i>• WHPA-B (VS = 10) (existing, future); or</i> <i>• WHPA-E (VS = 10) (existing, future); or</i> <i>• the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</i>

² MOECC. (2015). *Approved Source Protection Plan: CTC Source Protection Region*. Retrieved from https://trca.ca/app/uploads/2016/04/CTC_SOURCE_PROTECTION_PLAN_FULL.pdf

		<p style="text-align: center;">SWG-2</p>	<p>The MECP (formerly MOECC) <i>should develop and produce education and outreach materials which shall be delivered by local municipalities to landowners with septic systems, including holding tanks, governed under the Building Code Act within significant threat areas that explains the rationale for the maintenance inspection program and the benefits of regular maintenance and properly functioning septic systems where the threat is, or would be significant, in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (existing, future); or</i> • <i>WHPA-B (VS = 10) (existing, future); or</i> • <i>WHPA-E (VS = 10) (existing, future); or</i> • <i>the remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future).</i>
		<p style="text-align: center;">SWG-3</p>	<p><i>Where septic systems, including holding tanks, governed under the Building Code Act (vacant existing lot of record) would be a significant drinking water threat, vacant lots of record shall be subject to site plan control so that the location of the individual on-site sewage systems and replacement beds only be permitted if they are sited to ensure they do not become a significant drinking water threat in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (future); or</i> • <i>WHPA-B (VS = 10) (future); or</i> • <i>WHPA-E (VS = 10) (future); or</i> • <i>the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</i>
		<p style="text-align: center;">SWG-4</p>	<p><i>1) No new lots requiring septic systems, including holding tanks, governed under the Building Code Act shall be created where the activity would be a significant drinking water threat in the following area:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (future).</i> <p><i>2) New lots requiring septic systems, including holding tanks, governed under the Building Code Act in an area where the activity would be a significant drinking water threat shall only be permitted if the municipality is satisfied that the activity will not become a significant drinking water threat. The hydrogeological assessment to determine appropriate development density shall be conducted by a professional licensed to carry out that work in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-B (VS = 10) (future); or</i> • <i>WHPA-E (VS = 10) (future); or</i> • <i>the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</i>

		SWG-5	<p><i>The Ministry of Municipal Affairs and Housing is requested to amend the Building Code Act to permit municipalities to require higher standards for septic systems governed under the Building Code Act to deal with nitrate and pathogen threats where they would be a significant drinking water threat in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (future); or</i> • <i>WHPA-B (VS = 10) (future); or</i> • <i>WHPA-E (VS = 10) (future); or</i> • <i>the remainder of an Issue Contributing Area for Nitrates or Pathogens (future).</i>
	Septic Systems Governed under the Building Code Act and Ontario Water Resources Act	SWG-6	<p><i>Where municipal sanitary sewers and capacity are available, the municipality is encouraged to pass by-laws under the Municipal Act to require mandatory connections to the municipal sewer system for new development and existing septic systems, including holding tanks, governed under the Building Code Act and the Ontario Water Resources Act, and the decommissioning of existing systems, where they are a significant drinking water threat located in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (existing, future); or</i> • <i>WHPA-B (VS = 10) (existing, future); or</i> • <i>WHPA-E (VS = 10) (existing, future); or</i> • <i>the remainder of an Issue Contributing Area for Nitrates, Pathogens, Sodium* or Chloride* (existing, future) (*not applicable to systems subject to BCA).</i>
	Septic Systems Governed under the Ontario Water Resources Act	SWG-7	<p><i>The municipality in cooperation with local health units and Source Protection Authorities shall provide education and outreach materials for septic systems governed under the Ontario Water Resources Act (existing) to landowners in the entire Issue Contributing Area for Sodium or Chloride regarding:</i></p> <p><i>a) the use of more efficient water softeners to reduce the discharge of salt to the septic system; and</i></p> <p><i>b) promoting best management practices to ensure outdoor taps are not connected to the softened water line.</i></p>

		<p style="text-align: center;">SWG-8</p>	<p>1) <i>Septic systems with subsurface disposal of effluent, as regulated by the Ontario Water Resources Act, shall be prohibited where the activity would be a significant drinking water threat in the following area:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (future).</i> <p>2) <i>Where septic systems with subsurface disposal of effluent, as regulated by the Ontario Water Resources Act, are in an area where the activity is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions are included so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (existing); or</i> • <i>WHPA-B (VS = 10) (existing, future); or</i> • <i>WHPA-E (VS = 10) (existing, future); or</i> • <i>the remainder of an Issue Contributing Area for Nitrates, Pathogens, Sodium or Chloride (existing, future).</i>
		<p style="text-align: center;">SWG-9</p>	<p>1) <i>New development dependent on septic systems with subsurface disposal of effluent, as regulated by the Ontario Water Resources Act, shall be prohibited where the activity would be a significant drinking water threat in the following area:</i></p> <ul style="list-style-type: none"> • <i>WHPA-A (future).</i> <p>2) <i>New development dependent on septic systems with subsurface disposal of effluent, as regulated by the Ontario Water Resources Act, in an area where the activity would be a significant drinking water threat, shall only be permitted where it has been demonstrated by the proponent through an approved Environmental Assessment or similar planning process that the location for the septic system is the preferred alternative and the safety of the drinking water system has been assured in any of the following areas:</i></p> <ul style="list-style-type: none"> • <i>WHPA-B (VS = 10) (future); or</i> • <i>WHPA-E (VS = 10) (future); or</i> • <i>the remainder of an issue Contributing Area for Nitrates, Pathogens, Sodium or Chloride (future).</i>

		SWG-10	<p>The MECP (formerly MOECC) is requested to develop guidelines for managing significant drinking water threats from septic systems with subsurface disposal of effluent, as regulated by the Ontario Water Resources Act, for distribution to developers, municipalities and other interested or affected parties in any of the following areas:</p> <ul style="list-style-type: none"> • WHPA-A (existing, future); or • WHPA-B (VS = 10) (existing, future); or • WHPA-E (VS = 10) (existing, future); or • the remainder of an Issue Contributing Area for Nitrates, Pathogens, Sodium or Chloride (existing, future).
Sanitary Sewers and Related Pipes		SWG-13	<p>Where sanitary sewers and related pipes are in an area where the activity is, or would be, a significant drinking water threat, the Environmental Compliance Approval that governs the activity shall be reviewed or established to ensure appropriate terms and conditions so that the activity ceases to be, or does not become, a significant drinking water threat in any of the following areas:</p> <ul style="list-style-type: none"> • WHPA-A (existing, future); or • WHPA-B (VS = 10) (existing, future); or • WHPA-E (VS = 10) (existing, future); or • The remainder of an Issue Contributing Area for Nitrates or Pathogens (existing, future). <p>Not limiting any other conditions to be included in the Environmental Compliance Approval, the Issuing Director should include the following conditions, where possible:</p> <ul style="list-style-type: none"> • Requiring higher construction standard • Inspections by the owner for leaks
		SWG-14	<p>New development dependent on sanitary sewers and related pipes, in an area where the activity would be a significant drinking water threat, shall only be permitted where it has been demonstrated by the proponent through an approved Environmental Assessment or similar planning process that the location for the sanitary sewer and related pipes is the preferred alternative and the safety of the drinking water system has been assured in any of the following areas:</p> <ul style="list-style-type: none"> • WHPA-A (future); or • WHPA-B (VS = 10) (future); or • WHPA-E (VS = 10) (future); or • The remainder of an Issue Contributing Area for Nitrates or Pathogens (future).