
4.0 Water Systems

4.1 Municipal Residential Systems

The Terms of Reference Regulation (Ontario Regulation 287/07) under the Clean Water Act Requires that the terms of reference for the region include a list of all the municipal residential drinking water systems. The attached list includes all municipal residential drinking water systems with sources within the region. The list is broken down by Source Protection Area (SPA) and each part of the list is included in the appropriate terms of reference. Some of the systems may be listed in multiple SPAs.

The MOE has required that planned systems be identified separately in the Terms of Reference. Planned drinking water systems are defined in the Ontario Regulation 286/07 (Miscellaneous). A planned drinking water system is one that is to be established, or a part of a drinking water system that is to be established, if,

- (a) approval to proceed with the establishment of the system or part has been given under Part II of the Environmental Assessment Act,
- (b) the establishment of the system or part has been identified as the preferred solution within a completed planning process conducted in accordance with an approved class environmental assessment under Part II.1 of the Environmental Assessment Act and no order has been issued under subsection 16 (1) of that Act, or
- (c) the system or part would serve a reserve as defined in the Indian Act (Canada). O. Reg. 286/07, s. 1.

There are a few planned systems or more specifically planned parts of existing systems that are included in the terms of reference. In each case the planned systems or planned parts of systems are listed separately under the Municipal Drinking Water Systems list. Planned wells or intakes that will be a part of existing systems bear the same drinking water system number as the system they will be incorporated into. Tasks are identified in the Terms of Reference for technical work on planned parts of existing systems.

The residents of the region also depend on a number of water intakes in the Great Lakes. These intakes are located in other regions and are therefore mentioned in the list of items affecting other SPCs. The following list identifies the drinking water sources outside of the region which municipalities in the region rely on.

Drinking Water Sources outside the region:

Union Water Supply System (Essex Region SPC)

Stoney Point Water Treatment Plant (Essex Region SPC)

Elgin Area Water Supply System (Lake Erie SPC)

Lake Huron Water Supply System (Ausable Bayfield-Maitland Valley SPC)

Lower Thames Valley Source Protection Area

<i>Water System Name</i>	<i>DWS#</i>	<i>Type</i>	<i>Status</i>	<i>Source</i>	<i>Number of Wells</i>	<i>Intakes</i>	<i>Operating Authority Owner</i>
Chatham Water Treatment Plant <i>Comment: The Chatham WTP shares an intake with the South Chatham-Kent WTP.</i>	220003378	Municipal Residential	Existing	Surface Water		1	Chatham-Kent Public Utilities Commiss Municipality of Chatham-Kent
Highgate Well Supply <i>Comment:</i>	260015587	Municipal Residential	Existing	Surface and Groundwater	2	0	Chatham-Kent Public Utilities Commiss Municipality of Chatham-Kent
Ridgetown Well Supply <i>Comment:</i>	220003369	Municipal Residential	Existing	Groundwater	6		Chatham-Kent Public Utilities Commiss Municipality of Chatham-Kent
South Chatham-Kent Water Treatment <i>Comment: The Chatham WTP shares an intake with the South Chatham-Kent WTP.</i>	260024999	Municipal Residential	Existing	Surface Water		1	Chatham-Kent Public Utilities Commiss Municipality of Chatham-Kent
West Elgin Water Treatment Plant <i>Comment: The West Elgin WTP also has an emergency shoreline intake that has been used in the past when frazzle ice conditions occurred. It is yet to be determined if the intake is still available for use.</i>	220002949	Municipal Residential	Existing	Surface Water		1	Ontario Clean Water Agency Municipality of West Elgin
Wheatley Water Treatment Plant <i>Comment: The Wheatley WTP has 2 intakes, one of which is an emergency intake used when frazzle ice conditions occur.</i>	220003332	Municipal Residential	Existing	Surface Water		2	Chatham-Kent Public Utilities Commiss Municipality of Chatham-Kent

St. Clair Region Source Protection Area

<i>Water System Name</i>	<i>DWS#</i>	<i>Type</i>	<i>Status</i>	<i>Source</i>	<i>Number of Wells</i>	<i>Intakes</i>	<i>Operating Authority Owner</i>
Lambton Area Water Supply System	210000906	Municipal Residential	Existing	Surface Water	1		Ontario Clean Water Agency
Comment:	<i>The Lambton Area Water Supply System (LAWSS) is owned the joint board which has members from the municipalities that it supplies: City of Sarnia, Township of St. Clair, Town of Plympton-Wyoming, Village of Point Edward, Township of Warwick, Municipality of Lambton Shores</i>						Lambton Area Water Supply System
Town Of Petrolia Water Treatment Plan	220002903	Municipal Residential	Existing	Surface Water	1		Waterworks Environmental Services In
Comment:	<i>'Town Of Petrolia (Bright's Grove) Water Treatment Plant' is the actual name, which the Wizard thinks is a syntax error due to the brackets.</i>						Town of Petrolia
Wallaceburg Water Treatment Plant	220003341	Municipal Residential	Existing	Surface Water	1		Chatham-Kent Public Utilities Commiss
Comment:	<i>The Chatham Kent intake at Wallaceburg is located in the St Clair Region SPA is included under the Essex Region Conservation Authority (ERCA) led technical study. The intake feeds the Wallaceburg Water Treatment Plant. The ERCA led study also includes two Lower Thames Valley (LTV) SPA surface water intakes at Wheatley and Erieau. Stantec Consultants are conducting the study. The costs of the ERCA led study for these three intakes are shown in the Lower Thames Valley SPA Terms of Reference.</i>						Municipality of Chatham-Kent

Upper Thames River Source Protection Area

<i>Water System Name</i>	<i>DWS#</i>	<i>Type</i>	<i>Status</i>	<i>Source</i>	<i>Number of Wells</i>	<i>Intakes</i>	<i>Operating Authority Owner</i>
Beachville-Loweville Well Supply <i>Comment:</i>	220000674	Municipal Residential	Existing	Groundwater	1		County of Oxford County of Oxford
Birr Well Supply <i>Comment:</i>	220005492	Municipal Residential	Existing	Groundwater	1		Ontario Clean Water Agency Township of Middlesex Center
Dorchester Well Supply <i>Comment:</i>	220002146	Municipal Residential	Existing	Surface and Groundwater	8		Municipality of Thames Centre Municipality of Thames Centre
Embro Well Supply <i>Comment:</i>	220000665	Municipal Residential	Existing	Groundwater	2		County of Oxford County of Oxford
Hickson King Subdivision Well Supply <i>Comment:</i>	220006124	Municipal Residential	Existing	Groundwater	1		County of Oxford County of Oxford
Ingersoll Well Supply <i>Comment:</i>	220000692	Municipal Residential	Existing	Groundwater	7		County of Oxford County of Oxford
Innerkip Well Supply <i>Comment:</i>	260046995	Municipal Residential	Existing	Groundwater	2		County of Oxford County of Oxford
Kilworth Heights Subdivision Well Supp <i>Comment:</i>	210003994	Municipal Residential	Existing	Surface and Groundwater	3		Ontario Clean Water Agency Township of Middlesex Centre
Lakeside Well Supply <i>Comment:</i>	220007533	Municipal Residential	Existing	Groundwater	1		County of Oxford County of Oxford
London Water Supply <i>Comment:</i>	260004917	Municipal Residential	Existing	Surface and Groundwater	7		The Corporation of the City of London City of London
Melrose Well Supply <i>Comment:</i>	260002915	Municipal Residential	Existing	Groundwater	2		Ontario Clean Water Agency Township of Middlesex Centre
Mitchell Well Supply <i>Comment:</i>	210000577	Municipal Residential	Existing	Groundwater	3		West Perth Power Inc. Municipality of West Perth

Mount Brydges Well Supply	210003985	Municipal Residential	Existing	Groundwater	2		Township of Strathroy-Caradoc Township of Strathroy-Caradoc
Comment: Mount Brydges well supply system lies in the Upper Thames River SPA and supplies water to residents in the St. Clair Region SPA also.							
Mount Elgin Well Supply	220000629	Municipal Residential	Existing	Groundwater	1		County of Oxford County of Oxford
Comment:							
Mount Elgin Well Supply - New Well	220000629	Municipal Residential	Planned	Groundwater	1		County of Oxford County of Oxford
Comment: Planned 'Graydon Well' to be a part of the existing Mount Elgin Well Supply System.							
New Dorchester Planned Well	220002146	Municipal Residential	Planned	Surface and Groundwater	1		Municipality of Thames Centre Municipality of Thames Centre
Comment: The proposed well is undergoing an Environmental Assessment (EA) in order to qualify for being a 'planned well'. It will be a part of the existing Dorchester well supply system. The EA is expected to be posted to the MOE EBR in September 2008.							
Sebringville Well Supply	260003084	Municipal Residential	Existing	Groundwater	1		Ontario Clean Water Agency Township of Perth South
Comment:							
Shakespeare Well Supply	260002317	Municipal Residential	Existing	Groundwater	1		American Water Canada Corp. Township of Perth East
Comment:							
St. Marys Well Supply	220000521	Municipal Residential	Existing	Surface and Groundwater	3		Town of St. Marys Town of St. Marys
Comment:							
St. Pauls Well Supply	220003948	Municipal Residential	Existing	Groundwater	1		Township of Perth South Township of Perth South
Comment:							
Stratford Well Supply	220000530	Municipal Residential	Existing	Groundwater	11		City of Stratford City of Stratford
Comment:							
Tavistock Well Supply	220000647	Municipal Residential	Existing	Groundwater	3		County of Oxford County of Oxford
Comment:							
Thamesford WS	220000610	Municipal Residential	Existing	Surface and Groundwater	3		County of Oxford County of Oxford
Comment:							
Thorndale Well Supply	220006115	Municipal Residential	Existing	Groundwater	2		Municipality of Thames Centre Municipality of Thames Centre
Comment:							
Woodstock Well Supply	220000709	Municipal Residential	Existing	Surface and Groundwater	10	0	County of Oxford County of Oxford
Comment:							

Woodstock Well Supply - New Well

220000709

Municipal Residential

Planned

Groundwater

1

County of Oxford

Comment: *Planned 'Bond Well' to be a part of the existing Woodstock Well Supply System.*

County of Oxford
