

URL: <http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015>



## Chief Drinking Water Inspector Annual Report 2014-2015

The Chief Drinking Water Inspector Annual Report provides information on the performance of Ontario's regulated drinking water systems and laboratories, drinking water test results, and the ministry's enforcement activities and programs.

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1. [Message from the Chief Drinking Water Inspector \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-0\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-0)
2. [Protecting Ontario's drinking water \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-1\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-1)
3. [Ontario's drinking water report card \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-2\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-2)
4. [Inspecting drinking water systems and issuing orders \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-3\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-3)
5. [Inspecting licensed and eligible laboratories \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-4\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-4)
6. [Compliance and Enforcement Regulation requirements \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-5\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-5)
7. [Convictions \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-6\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-6)
8. [Operator certification and training \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-7\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-7)
9. [Small Drinking Water Systems Program – Ministry of Health and Long-term Care \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-8\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-8)
10. [Glossary \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-9\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-9)
11. [Appendices \(http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-10\)](http://www.ontario.ca/page/chief-drinking-water-inspector-annual-report-2014-2015#section-10)

For news and information on Ontario's drinking water, email [drinking.water@ontario.ca](mailto:drinking.water@ontario.ca) (<mailto:drinking.water@ontario.ca>) with "subscribe" in the subject line.

Data provided in this report can be found at the [Ontario.ca open data catalogue \(http://www.ontario.ca/open-data\)](http://www.ontario.ca/open-data).

### Message from the Chief Drinking Water Inspector

I am pleased to present the 2014-2015 annual drinking water report for Ontario.

In this report you will find information on the performance of Ontario's regulated drinking water systems and laboratories, drinking water test results, and the ministry's enforcement activities and programs. We are committed to providing high quality drinking water to the people of Ontario.

Ontario has a comprehensive safety net that protects drinking water from source to tap. It provides a multi-barrier approach to drinking water protection through strong legislation, stringent health-based standards, regular and reliable testing, highly trained operators, regular inspections and a source water protection program.

Drinking water test results for our regulated systems show that they continue to provide high quality drinking water to the people of Ontario. In 2014-15:

- 99.8 per cent of 533,457 drinking water test results from municipal residential drinking water systems met Ontario's strict drinking water quality standards.
- 99.4 per cent of inspections of municipal residential drinking water systems resulted in inspection ratings higher than 80 per cent, and 67 per cent scored 100 per cent.

In his message, Dr. David C. Williams, the Acting Chief Medical Officer of Health for Ontario, provides an update on the performance of the province's small drinking water systems and how the program is helping protect the health of Ontarians.

In line with our strong belief in transparency and in support of the Province's commitment to Open Government, we are also providing information from this report on the Province's Open Data catalogue at the [Ontario.ca open data catalogue \(http://www.ontario.ca/open-data\)](http://www.ontario.ca/open-data). Watch for regular updates to the catalogue in the near future.

To learn more about how your drinking water is protected from source-to-tap, visit the [Ontario.ca drinking water information \(http://www.ontario.ca/drinkingwater\)](http://www.ontario.ca/drinkingwater) webpage.

Susan Lo,  
Chief Drinking Water Inspector  
Ministry of the Environment and Climate Change

## Protecting Ontario's drinking water

### Source water protection

Ontario's source protection program requires communities to design watershed-based source protection plans that identify potential risks and strategies to reduce or eliminate risks to sources of drinking water.

Nineteen source protection committees produced 22 plans built on scientific research. Representatives from municipalities, First Nations, farmers, industry and the general public are a part of these committees, which are helping to protect the sources of over 450 municipal drinking water systems across Ontario.

All 22 plans have been submitted to the Minister of the Environment and Climate Change for approval. All of these plans have been approved:

Number	Source Protection Plan	Plan Effective Date
1	Lakehead	October 1, 2013
2	Mattagami	October 1, 2014

3	Niagara Peninsula	October 1, 2014
4	Catfish Creek	January 1, 2015
5	Kettle Creek	January 1, 2015
6	Mississippi-Rideau	January 1, 2015
7	Quinte Conservation	January 1, 2015
8	Trent Conservation Coalition	January 1, 2015
9	Ausable Bayfield Maitland Valley	April 1, 2015
10	Cataraqui	April 1, 2015
11	Raisin-South Nation	April 1, 2015
12	Sudbury	April 1, 2015
13	North Bay-Mattawa	July 1, 2015
14	Sault Ste. Marie Region	July 1, 2015
15	South Georgian Bay Lake Simcoe	July 1, 2015
16	Essex Region	October 1, 2015
17	Central Lake Ontario, Toronto Region and Credit Valley (CTC)	December 31, 2015
18	Halton-Hamilton	December 31, 2015
19	Thames-Sydenham and Region	December 31, 2015
20	Saugeen, Grey Sauble, Northern Bruce Peninsula	July 1, 2016
21	Long Point	July 1, 2016
22	Grand River	July 1, 2016

Table 1: List of approved source protection plans and their effective dates

## Ontario's drinking water report card

### Drinking water quality results

In 2014-15, 99.8 per cent of 642,373 drinking water tests from regulated drinking water systems met Ontario's Drinking Water Quality Standards. For further details see [appendix 1](#).

- 99.79 per cent of the 533,457 drinking water test results from 660<sup>[1]</sup> [municipal residential drinking water systems](#) met the standards
- 99.46 per cent of 42,339 test results from 441 [non-municipal year-round residential systems](#) met the standards
- 99.60 per cent of 66,577 test results from 1,355 [systems serving designated facilities](#) met the standards

**Figure 1: Trends in percentage of drinking water tests meeting Ontario Drinking Water Quality Standards, by type of facility<sup>1</sup>**

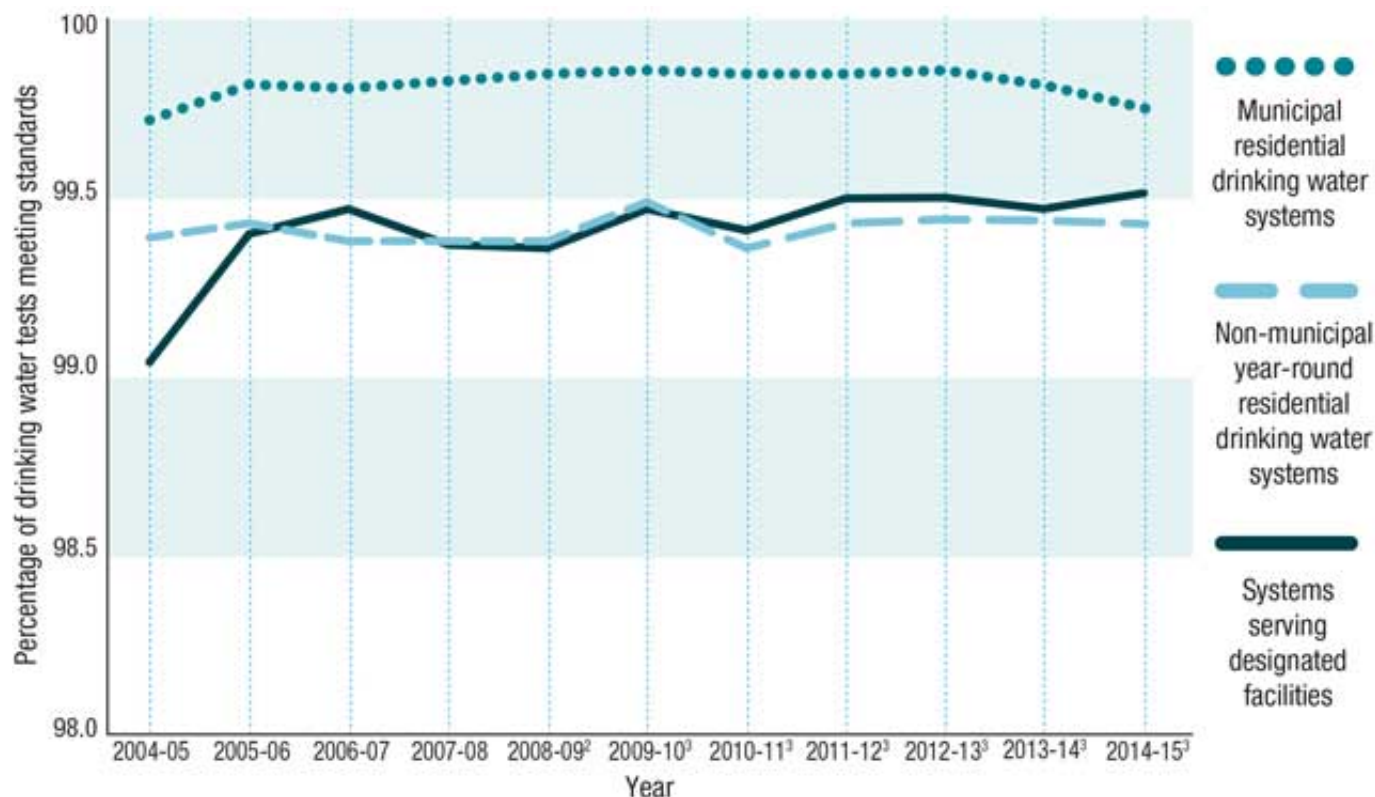


Figure 1 CSV (Comma-separated values) (comma separated values) file  
<http://www.ontario.ca//files.ontario.ca/2049-cdwiar-2014-15-figure1-en.csv>

<sup>1</sup> There were slight variations in the methods used to tabulate the percentages year-over-year due to regulatory changes and different counting methods.

<sup>2</sup> Lead results were not included as they were reported separately. (2008 - 2009)

<sup>3</sup> Lead distribution results were included and lead plumbing results were reported separately. (2009 - 2015)

## Drinking water quality standards

Our drinking water must meet Ontario's 158 health-based standards for microbiological, chemical and radiological parameters. These standards are listed in O. Reg. 169/03 ([http://www.e-laws.gov.on.ca/html/regs/english/elaws\\_regs\\_030169\\_e.htm](http://www.e-laws.gov.on.ca/html/regs/english/elaws_regs_030169_e.htm)) of the Safe Drinking Water Act.

## Drinking water quality standards and test results

### Microbiological standards and test results

The presence of microbiological organisms in drinking water could result in serious health problems. For example, if total coliforms or Escherichia coli (E. coli) are positively confirmed in a drinking water sample, an adverse water quality incident is deemed to have occurred and the owner and/or operator of the drinking water system must take immediate corrective action.

Over the past 11 years, the percentage of drinking water test results meeting microbiological standards has remained consistently high.

**Figure 2: Percentage of test results from municipal residential drinking water systems meeting Ontario's Drinking Water Quality Standard, for E. coli by year**

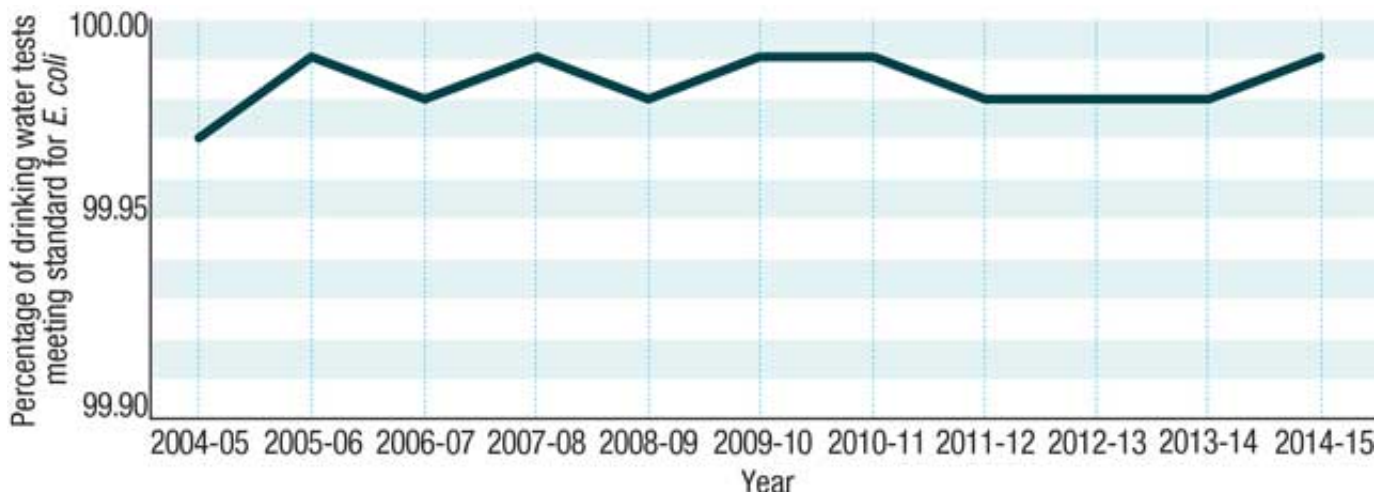


Figure 2 CSV (Comma-separated values) (comma separated values) file  
<http://www.ontario.ca/files.ontario.ca/2049-cdwiar-2014-15-figure2-en.csv>

**Tables 2A-C: Breakdown of microbiological test results in 2014-15**

Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Number of systems submitting test results <sup>1</sup>	Number of systems with adverse test results	Percentage of test results meeting Ontario's Drinking Water Quality Standards
<b>E. coli</b>	236,911	236,876	35	654	19	99.99
<b>Total coliform</b>	236,949	236,077	872	654	170	99.63

Table 2A: Drinking water facility type: Municipal residential systems

Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Number of systems submitting test results <sup>1</sup>	Number of systems with adverse test results	Percentage of test results meeting Ontario's Drinking Water Quality Standards
<b>E. coli</b>	15,343	15,332	11	441	9	99.93
<b>Total coliform</b>	15,352	15,208	144	441	68	99.06

Table 2B: Drinking water facility type: Non-municipal year-round residential systems

Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Number of systems submitting test results <sup>1</sup>	Number of systems with adverse test results	Percentage of test results meeting Ontario's Drinking Water Quality Standards
<b>E. coli</b>	20,065	20,041	24	1,325	19	99.88
<b>Total coliform</b>	20,078	19,944	134	1,325	98	99.33

Table 2C: Drinking water facility type: Systems serving designated facilities

<sup>1</sup> Regulatory requirements for testing vary by category and source of water and are identified in O. Reg. 170/03.

### Chemical and radiological standards and test results

Ontario's drinking water quality standards establish the maximum allowable concentration of chemicals that can be present in drinking water. However, naturally occurring deposits such as fluoride or selenium may result in adverse chemical test results.

Parts of the province also contain naturally occurring deposits of radiological parameters such as uranium. In these areas, regular drinking water testing is required to monitor the level of these parameters in water to ensure that Ontario's drinking water quality standards are being met.

**Tables 3A-C: Number of chemical standard adverse test results by type of facility in 2014-15 <sup>1</sup>**

Parameter	Number of adverse test results	Number of systems with adverse test results
Arsenic <sup>2</sup>	1	1
Bromate	1	1
Fluoride <sup>2</sup>	76	20
Lead <sup>3</sup>	28	18
Selenium <sup>2</sup>	7	1
<b>Total trihalomethanes<sup>4</sup></b>	76	28

Table 3A: Municipal residential drinking water systems  
Total # of systems submitting results: 659

Parameter	Number of adverse test results	Number of systems with adverse test results
Arsenic <sup>2</sup>	1	1
Barium <sup>2</sup>	1	1
Benzo(a)pyrene	1	1
Fluoride <sup>2</sup>	2	1
Lead <sup>3</sup>	1	1
Nitrate (as nitrogen)	29	5
Nitrate + Nitrite (as nitrogen)	29	5
<b>Total trihalomethanes<sup>4</sup></b>	10	4

Table 3B: Non-municipal year-round residential drinking water systems  
Total # of systems submitting results: 410

Parameter	Number of adverse test results	Number of systems with adverse test results
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<b>Benzo(a)pyrene</b>	2	2
<b>Fluoride<sup>2</sup></b>	34	14
<b>Lead</b>	5	4
<b>Nitrate (as nitrogen)</b>	30	7
<b>Nitrite (as nitrogen)</b>	1	1
<b>Nitrate + Nitrite (as nitrogen)</b>	30	7
<b>Selenium<sup>2</sup></b>	1	1
<b>Uranium<sup>2</sup></b>	2	1

Table 3C: Systems serving designated facilities  
Total # of systems submitting results: 1,289

<sup>1</sup> Sampling frequency varies according to regulated requirements and facility type.

<sup>2</sup> In some parts of the province, there are naturally-occurring deposits of arsenic, barium, fluoride, selenium and uranium that may result in adverse test results.

<sup>3</sup> The lead parameter did not include lead sampled in plumbing for municipal residential and non-municipal year-round residential drinking water systems; however, lead sampled in the distribution system was included.

<sup>4</sup> Total trihalomethanes are reported as the running annual average of quarterly samples.

#### Tables 4A-C: Percentage of test results meeting Ontario Drinking Water Quality Standards by type of system

<b>Parameter</b>	<b>2012-13 % meeting standards</b>	<b>2013-14 % meeting standards</b>	<b>2014-15 % meeting standards</b>
<b>Microbiological<sup>1</sup></b>	99.90	99.85	99.81
<b>Chemical<sup>2</sup></b>	99.76	99.68	99.68
<b>Radiological</b>	100.00	100.00	100.00
<b>Total</b>	99.88	99.83	99.79

Table 4A: Drinking water facility type: Municipal residential systems<sup>3</sup>

<b>Parameter</b>	<b>2012-13 % meeting standards</b>	<b>2013-14 % meeting standards</b>	<b>2014-15 % meeting standards</b>
<b>Microbiological<sup>1</sup></b>	99.52	99.49	99.50
<b>Chemical<sup>2</sup></b>	99.34	99.38	99.36
<b>Total</b>	99.47	99.46	99.46

Table 4B: Drinking water facility type: Non-municipal year-round residential systems<sup>3</sup>

<b>Parameter</b>	<b>2012-13 % meeting standards</b>	<b>2013-14 % meeting standards</b>	<b>2014-15 % meeting standards</b>

<b>Microbiological<sup>1</sup></b>	99.49	99.42	99.61
<b>Chemical</b>	99.67	99.59	99.60
<b>Total</b>	99.57	99.49	99.60

Table 4C: Drinking water facility type: Systems serving designated facilities<sup>2</sup>

<sup>1</sup> Microbiological includes only E. coli and total coliform results.

<sup>2</sup> Lead plumbing results were not included in chemical analysis; however, lead distribution results were included. See [Table 8](#) for additional details about lead in plumbing.

<sup>3</sup> Radiological parameters are tested in drinking water systems where directed by the ministry.

### Tables 5A-C: Summary of drinking water test results for all facility types in 2014-15

Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Percentage of adverse test results	Number of systems submitting test results <sup>1</sup>	Number of systems with adverse test results <sup>2</sup>
<b>Microbiological<sup>3</sup></b>	473,860	472,953	907	0.19	654	170
<b>Chemical<sup>4</sup></b>	59,594	59,405	189	0.32	659	67
<b>Radiological</b>	3	3	0	0.00	1	0
<b>Total</b>	533,457	532,361	1,096	0.21	660	215

Table 5A: Drinking water facility type: Municipal residential systems<sup>5</sup>

Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Percentage of adverse test results	Number of systems submitting test results <sup>1</sup>	Number of systems with adverse test results <sup>2</sup>
<b>Microbiological<sup>3</sup></b>	30,695	30,540	155	0.50	441	68
<b>Chemical<sup>4</sup></b>	11,644	11,570	74	0.64	410	14
<b>Total</b>	42,339	42,110	229	0.54	441	79

Table 5B: Drinking water facility type: Non-municipal year-round residential systems<sup>5</sup>

Parameter	Number of test results	Number of test results meeting standards	Number of adverse test results	Percentage of adverse test results	Number of systems submitting test results <sup>1</sup>	Number of systems with adverse test results <sup>2</sup>
<b>Microbiological<sup>3</sup></b>	40,143	39,985	158	0.39	1,325	98
<b>Chemical</b>	26,434	26,329	105	0.40	1,289	29
<b>Total</b>	66,577	66,314	263	0.40	1,355	121

Table 5C: Drinking water facility type: Systems serving designated facilities<sup>5</sup>

<sup>1</sup> Regulatory requirements for testing vary by category and source of water and are identified in O. Reg. 170/03.



<sup>2</sup> A single system could have adverse test results for multiple parameters. This type of system is counted only once when calculating the total number of systems with adverse results.

<sup>3</sup> Microbiological includes only E. coli and total coliform results.

<sup>4</sup> Lead plumbing results were not included in this analysis; but, lead distribution results were included. See [Table 8](#) for additional details about lead in plumbing.

<sup>5</sup> Radiological parameters are tested in drinking water systems where directed by the ministry.

## Adverse water quality incidents and corrective actions

An adverse water quality incident is deemed to have occurred if a drinking water test result indicates a drinking water quality standard has not been met, or if an operational problem such as insufficient disinfection, high turbidity or equipment malfunction occurs at the drinking water system or facility. The report of an adverse water quality incident does not necessarily mean the drinking water is unsafe; it indicates that an incident has occurred and that corrective action must be taken.

**Tables 6A-C: Summary of adverse water quality incidents (AWQI (Adverse Water Quality Incidents)s) by drinking water facility type**

	2012-13	2013-14	2014-15
<b># of Systems submitting test results</b>	661	660	660
<b># of Systems with AWQI (Adverse Water Quality Incidents)s</b>	381	402	372
<b># of AWQI (Adverse Water Quality Incidents)s</b>	1,446	1,573	1,954 <sup>2</sup>
<b># of Results within AWQI (Adverse Water Quality Incidents)s<sup>1</sup></b>	1,700	1,920	2,212 <sup>2</sup>

Table 6A: Municipal residential systems

	2012-13	2013-14	2014-15
<b># of Systems submitting test results</b>	434	438	441
<b># of Systems with AWQI (Adverse Water Quality Incidents)s</b>	179	181	181
<b># of AWQI (Adverse Water Quality Incidents)s</b>	359	401	427
<b># of Results within AWQI (Adverse Water Quality Incidents)s<sup>1</sup></b>	415	511	556

Table 6B: Non-municipal year-round residential systems

	2012-13	2013-14	2014-15
<b># of Systems submitting test results</b>	1,389	1,376	1,355
<b># of Systems with AWQI (Adverse Water Quality Incidents)s</b>	390	309	288
<b># of AWQI (Adverse Water Quality Incidents)s</b>	625	493	450
<b># of Results within AWQI (Adverse Water Quality Incidents)s<sup>1</sup></b>	740	623	532

Table 6C: Systems serving designated facilities

<sup>1</sup> An adverse water quality incident may occur as a result of a single issue or multiple issues such as presence of microbiological or chemical parameters and/or operational issues.

<sup>2</sup> The increase was due to an administrative change in the reporting process of adverse water quality incidents, an increase in sampling frequency and a change in sampling locations.

## Drinking water advisories

If there is concern that the water may not be safe for the public to drink, the local health unit may issue a drinking water advisory. A broken watermain, low water pressure, microbiological parameters in the water, low disinfectant levels or equipment failure at a drinking water system are some of the factors that could trigger an advisory.

In 2014-15, there were two municipal residential drinking water systems with long-term drinking water advisories:

1. Richmond Community Drinking Water System, located near St. Thomas, was issued a drinking water advisory in 2002 due to high nitrate levels in the source water. The Municipality of Bayham has installed a treatment system to help lower the nitrate levels below the standard and is monitoring drinking water monthly. As the treatment process to remove the nitrate led to high concentrations of sodium in drinking water, a second advisory was also issued specifically for those users who were on a sodium reduced diet.

The nitrate advisory was rescinded in October 2015 as there was no nitrate exceedance in the source water since January 2014. The sodium advisory remains in effect.

2. Lynden Drinking Water System, located near Hamilton, continues to have a long-term drinking water advisory due to lead in their drinking water. Although the test results are below the Ontario Drinking Water Quality Standard for lead in drinking water, the advisory will remain in place until lead concentrations in the drinking water supply are stable. According to the local medical officer of health, the current level of lead exposure does not represent an immediate health risk to residents. The advisory was issued to prevent potential long-term exposure to elevated concentrations of lead.

The affected residents continue to be offered on-tap filters that are certified to remove lead. Studies to identify the source of the lead and options to address the issue, including searching for a replacement water source, are ongoing.

## Lead action plan

In 2007, as part of Ontario's Lead Action Plan, regulations were made to help minimize lead in drinking water. These regulations require regulated drinking water systems, schools and day nurseries<sup>[2]</sup> to submit drinking water samples to laboratories to test for lead.

## Lead testing results for municipal residential and non-municipal year-round residential systems

All municipal residential and non-municipal year-round residential drinking water systems are required to collect samples from homes (i.e. plumbing) and submit them to laboratories to test for lead.

Lead test results from these regulated systems indicate the vast majority of them continued to meet the provincial standard for lead in drinking water in 2014-15.

Drinking water facility type <sup>1</sup>	2012-13 % meeting standards	2013-14 % meeting standards	2014-15 % meeting standards

<b>Municipal residential systems</b>	95.23	92.69	95.10
<b>Non-municipal year-round residential systems</b>	98.95	99.85	99.08

Table 7: Comparison of drinking water test results for lead in plumbing meeting standards for municipal residential drinking water systems and non-municipal year-round residential drinking water systems

<sup>1</sup> Systems serving designated facilities are exempt from this requirement.

<b>Drinking water facility type<sup>1</sup></b>	<b>Parameter</b>	<b>Number of results</b>	<b>Number of lead exceedances</b>	<b>Number of systems submitting results<sup>2</sup></b>	<b>Number of systems with lead exceedances</b>
<b>Municipal residential systems</b>	Lead in plumbing <sup>3</sup>	6,200	304	107	21
<b>Non-municipal year-round residential systems</b>	Lead in plumbing <sup>3</sup>	1,416	13	137	10

Table 8: Summary of drinking water test results for lead in plumbing for municipal residential drinking water systems and non-municipal year-round residential drinking water systems in 2014-15

<sup>1</sup> Systems serving designated facilities are exempt from this requirement.

<sup>2</sup> Regulatory requirements for testing vary by category and population and are identified in O. Reg. 170/03.

<sup>3</sup> Samples are taken after system is flushed.

### Lead control strategies

Where lead levels exceed the provincial standard for municipal residential drinking water systems, owners/operating authorities are required to develop a control strategy to reduce lead levels. These strategies may be comprised of one or a combination of:

- A corrosion control plan which may include the addition of a corrosion inhibitor to the treated water or the adjustment of the pH of the treated water.
- Replacement of lead service lines.
- Upgrades to a treatment plant.
- Public education and outreach to encourage homeowners to replace fixtures and plumbing that contain lead.

Owners and/or operating authorities of municipal residential drinking water systems that serve more than 100 private residences must develop corrosion control plans if:

- More than 10 per cent of the samples from homes (i.e. plumbing) confirm lead concentrations greater than the standard of 10 micrograms per litre in two out of three sampling rounds; and
- In those two rounds, at least two sample results exceed the standard.

No additional municipal residential drinking water systems had to prepare lead control strategies in 2014-15. The 20 municipalities that were previously required to prepare strategies continue to make significant progress to help address lead issues:

- Four municipalities have completed implementing their corrosion control plans.
- Two municipalities have completed implementing their corrosion control plans and are replacing lead service lines.
- Four municipalities are in the process of implementing their corrosion control plans.
- Two municipalities are in the process of implementing their corrosion control plans and replacing their lead service lines.
- Two municipalities replaced their lead service lines.
- Six municipalities are replacing lead service lines.

For further details, see [appendix 2](#).

### Lead testing results for schools and day nurseries

Schools and day nurseries are required to regularly flush their plumbing and must also test their drinking water regularly for lead. Flushing reduces potential lead levels in drinking water because it prevents water from standing in the plumbing, thereby reducing contact time with the pipes and plumbing. These facilities are required to sample their drinking water before and after they flush their plumbing.

Lead test results from schools and day nurseries continue to show that flushing significantly reduces lead in drinking water.

Parameter	2012-13 % meeting standards	2013-14 % meeting standards	2014-15 % meeting standards
Lead - Flushed	96.74	97.49	97.71
Lead - Standing	90.79	91.90	92.66

Table 9: Year-over-year comparison of lead test results meeting Ontario Drinking Water Quality Standard for schools and day nurseries under O. Reg. 243/07

Parameter	Number of results	Number of lead exceedances	Number of schools and day nurseries submitting results <sup>1</sup>	Number of schools and day nurseries with lead exceedances
Lead - Flushed	8,095	185	6,859	112
Lead - Standing	8,028	589	6,870	438

Table 10: Test results for schools and day nurseries under O. Reg. 243/07 in 2014-15

<sup>1</sup> Facilities that share the same plumbing system, known as co-located facilities, may submit a single set of samples. There are allowances for facilities to reduce sampling frequency to once every 36 months from the required annual testing, based on a sufficient number of samples and satisfactory test results.

[<sup>1</sup>] There were 663 registered municipal residential drinking water systems in 2014-15. Three systems that received their water from another municipal residential drinking water system had their samples represented within the samples collected and submitted by municipal residential drinking water systems that supplied water to them.

[2] The Child Care and Early Years Act replaces the term "day nursery" with "child care centre" after August 31, 2015.

## Inspecting drinking water systems and issuing orders

### Municipal residential drinking water systems

Municipal residential drinking water systems are inspected annually by the ministry to determine whether they are meeting Ontario's regulatory requirements.

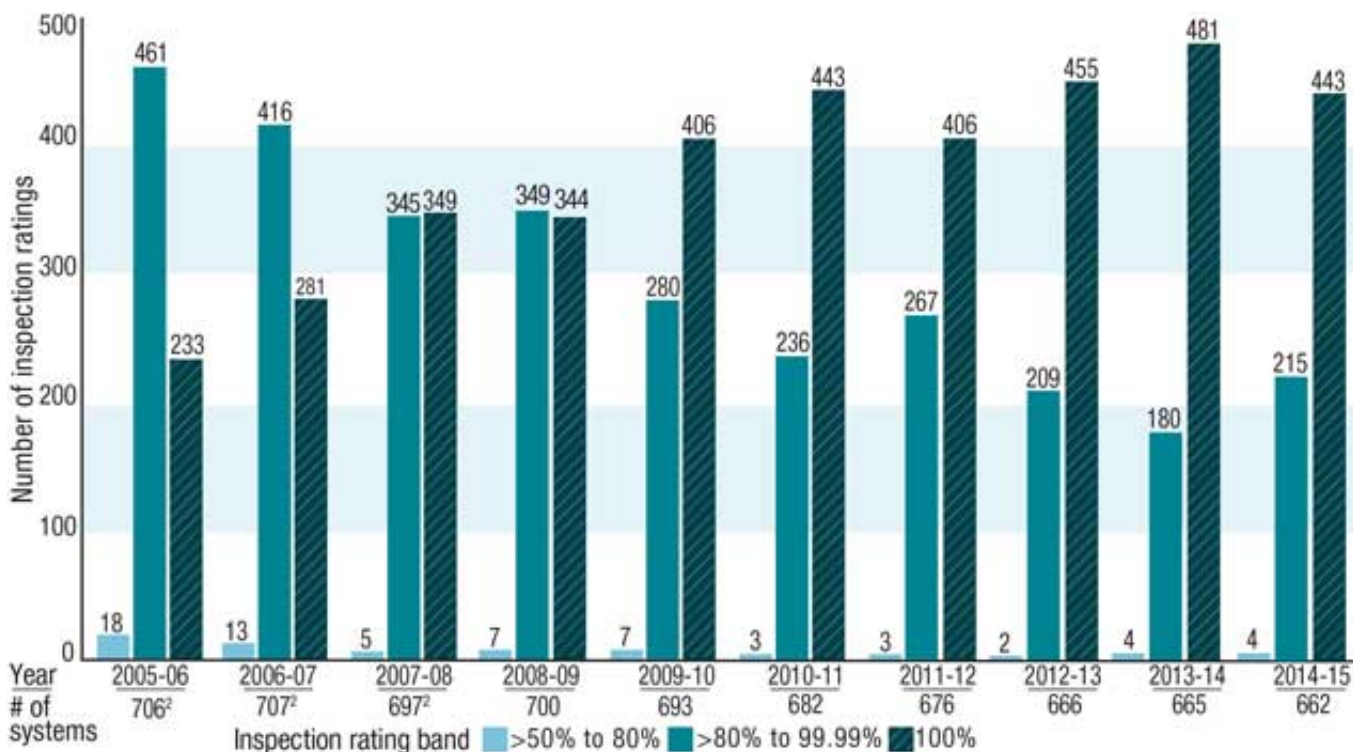
#### Inspection results

During 2014-15, ministry staff inspected all 662<sup>[3]</sup> municipal residential drinking water systems:

- Of these, 443 systems (or 67 per cent) received a perfect score (100 per cent rating).
- Six hundred and fifty-eight of the 662 (or 99.4 per cent) inspections resulted in inspection ratings greater than 80 per cent.

For further details see [appendix 1](#).

**Figure 3: Yearly comparison of municipal residential drinking water system inspection ratings<sup>1</sup>**



[Figure 3 CSV \(Comma-separated values\) \(comma separated values\) file](#)  
<http://www.ontario.ca//files.ontario.ca/2049-cdwiar-2014-15-figure3-en.csv>

<sup>1</sup> The decline in the total number of municipal residential drinking water systems is due to amalgamations of these systems.

<sup>2</sup> Between 2005-06 and 2007-08 the ministry completed its planned annual inspection program of all municipal residential drinking water systems in Ontario generating its annual inspection rating for each system. During this period, for a number of reasons some systems were inspected twice, e.g., to capture both their water treatment works and distribution systems or to ensure equipment had been properly decommissioned.

### Orders and order resolutions

Contravention and/or preventative measures orders can be issued as a result of inspections, in response to incidents identified outside of an inspection or to prevent incidents from occurring. Ministry inspectors may issue orders to resolve and/or prevent non-compliance at a drinking water system.

In 2014-15, one municipal residential drinking water system owner received one preventative measures order as a result of an inspection, whereby watermains were not integrated into the system's drawings within 12 months of the projects being completed. These incidents of non-compliance were reoccurrences from the inspection in 2013-14. The order has now been complied with.

Individuals who are responsible for delivering safe drinking water to the people of Ontario are held legally accountable for their actions. Ministry inspectors may refer violations of Ontario's Safe Drinking Water Act to the ministry's Investigations and Enforcement Branch for further action.

<b>Systems with inspection-related orders</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>
<b>Total number of inspections of municipal residential drinking water systems</b>	666	665	662
<b>Total number of municipal residential drinking water systems with inspection-related orders</b>	2	2	1
<b>Systems with non-inspection-related orders<sup>1</sup></b>	7	1	0
<b>Total</b>	9	3	1

Table 11: Municipal residential drinking water systems that received orders

<sup>1</sup> Non-inspection-related orders are issued as a result of an issue at a drinking water system that occurred outside of the context of a scheduled inspection.

For further details on these orders, please see [appendix 3](#).

### Non-municipal year-round residential drinking water systems and systems serving designated facilities

The ministry uses a proactive, risk-based approach to determine which non-municipal year-round residential drinking water systems and systems serving designated facilities to inspect. Staff also take into consideration a system's compliance history, how many adverse water quality incidents were issued and why, as well as recommendations from local public health units.

### Inspection results and orders

In 2014-15, the ministry inspected 121 of the 454<sup>[4]</sup> registered non-municipal year-round residential drinking water systems and issued six contravention and two preventative measures orders to eight systems.

In addition, 321 of 1,476<sup>[5]</sup> registered systems serving designated facilities were inspected and two contravention orders were issued to two systems.

Orders were issued for the following reasons:

- Not operating a drinking water system with a certified operator
- Not meeting minimum treatment requirements
- Not sampling raw water for microbiological parameters according to legislation
- Not ensuring that a system is maintained in a fit state of repair

### **Local services boards**

Seven local services boards in Ontario operate drinking water systems in northern communities without municipal government structures. In 2014-15, all were inspected. No orders were issued.

### **Schools and day nurseries**

Whether connected to a municipal drinking water system or not, registered schools and day nurseries are inspected by the ministry to help reduce the risk of children being exposed to lead in drinking water. As with non-municipal year-round residential systems, the ministry uses a risk-based approach to determine which facilities should be inspected.

Over 98 per cent of the 6,859 Ontario schools and day nurseries that submitted flushed samples met the standard for lead. Less than two per cent that submitted flushed samples did not meet the lead standard. When this happens, these facilities take immediate corrective actions as directed by the local Medical Officer of Health. These actions may include one or more of the following:

- Increased flushing
- Resampling
- Bagging of water fountains
- Providing alternative sources of water until the issue is resolved
- Replacing of pipes or fixtures containing lead
- Posting signs

The ministry conducted 276 inspections and 110 compliance audits of 11,040 registered schools and day nurseries in 2014-15. No orders were issued.

To supplement the inspection program, the ministry requests newly registered schools and day nurseries to submit an online self-report. This allows the ministry to take a risk-based approach when selecting schools and day nurseries for inspection. In 2014-15, 445 newly registered schools and day nurseries participated in this annual self-reporting component. Of those facilities who reported a lead exceedance, 90.6 per cent indicated they followed the correct reporting and notification procedure.

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<sup>[3]</sup> In 2014-15, there were 663 registered municipal residential drinking water systems. During the year, the Norwich Drinking Water System amalgamated with the Otterville-Springford Drinking Water System forming the Oxford South Drinking Water System.

[4] In 2014-15, some non-municipal year-round residential drinking water systems ceased to operate and/or data was not provided to the ministry.

[5] The number of designated facilities that were registered in 2014-15 was less than those that submitted samples for the following reasons: some systems ceased to operate and/or data was not provided to the ministry, while some received drinking water for their cistern from municipal residential drinking water systems which carried out the required sampling on their behalf. Sampling was not required for those systems that posted notices advising people not to drink the water.

## Inspecting licensed and eligible laboratories

Ontario laboratories that test drinking water must be accredited by an accreditation body and licensed by the ministry. The ministry also uses laboratories that are located outside the province. For these laboratories to test Ontario's drinking water, they too must be appropriately accredited and added to the ministry's eligibility list.

To determine whether they are meeting regulatory requirements, all licensed and eligible laboratories are inspected by the ministry at least twice every year.

In 2014-15, all 52 licensed and eligible laboratories that conduct testing of Ontario's drinking water were inspected twice. Sixty per cent of licensed and eligible laboratories had inspection ratings of 100 per cent. The ratings of all inspections were greater than 85 per cent.

One contravention order was issued to a non-licensed facility during this period. For further details on this order, please see [appendix 4](#).

Inspection type	2012-13	2013-14	2014-15
<b>Announced</b>	53	52	52
<b>Unannounced</b>	53	52	52
<b>Other<sup>1</sup></b>	2	0	2
<b>Total</b>	108	104	106
<b>Number of laboratories inspected</b>	54 <sup>2</sup>	52	52

Table 12: Summary of laboratory inspections

<sup>1</sup> Other inspections included laboratory pre-licensing or relocation inspections.

<sup>2</sup> During 2012-13, one laboratory that joined the licensing program in the second half of the fiscal year was not inspected; another laboratory voluntarily withdrew its licence during this time and was not inspected.

	2012-13	2013-14	2014-15
<b>Number of licensed laboratories that received inspection-related orders</b>	0	0	0
<b>Number of licensed laboratories that received non-inspection-related orders</b>	1	0	0
<b>Number of non-licensed facilities that received non-inspection-related orders</b>	1	0	1



<b>Total number of orders issued to licensed laboratories and non-licensed facilities (inspection and non-inspection)</b>	2	0	1
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Table 13: Summary of orders issued to licensed laboratories and non-licensed facilities

## Compliance and Enforcement Regulation requirements

The Compliance and Enforcement Regulation (O. Reg. 242/05) of the Safe Drinking Water Act requires the Ministry of the Environment and Climate Change to carry out a number of specific activities such as taking mandatory actions and conducting inspections of municipal residential drinking water systems and laboratories that test Ontario's drinking water.

Under the Compliance and Enforcement Regulation, the ministry is required to ensure all municipal residential drinking water systems are inspected annually and that one out of every three inspections is unannounced. In addition, the ministry must inspect all licensed and eligible laboratories at least twice a year ensuring that at least one inspection is unannounced.

In 2014-15, the ministry ensured all 662 municipal residential drinking water systems were inspected. As a result of administrative and scheduling issues, 10 of the drinking water systems inspected annually were not completed as unannounced but rather as announced. The ministry is taking corrective action to ensure all requirements under the Compliance and Enforcement Regulation are met including stricter adherence to standard operating procedures concerning scheduling of unannounced inspections. In addition, training will be provided to staff on the importance of the Compliance and Enforcement Regulation and its requirements.

The ministry met all its obligations for laboratories that test Ontario's drinking water under this regulation.

## Convictions

In 2014-15, there were 17 cases with convictions involving 20 regulated drinking water systems and facilities resulting in fines totalling \$161,000.

Facility type	Number of facilities	Number of cases with convictions <sup>1</sup>	Fines
<b>Municipal residential drinking water systems <sup>2,3</sup></b>	1	1	\$19,000
<b>Non-municipal year-round residential drinking water systems <sup>2,3</sup></b>	7	7	\$50,100
<b>Systems serving designated facilities <sup>2,3</sup></b>	11	8	\$75,900
<b>Schools and day nurseries</b>	0	0	\$0
<b>Licensed laboratories</b>	0	0	\$0
<b>Non-licensed facility <sup>2,3</sup></b>	1 <sup>4</sup>	1	\$16,000
<b>Total</b>	20	17	\$161,000

Table 14: Summary of convictions for drinking water prosecutions by facility type in 2014-15

<sup>1</sup> A case may involve one or more charges.

<sup>2</sup> For further details, please see appendices [5](#), [6](#), [7](#), [8](#) and [9](#).

<sup>3</sup> Includes convictions against legal entities and individuals.

<sup>4</sup> Includes a conviction against a drinking water consultant.

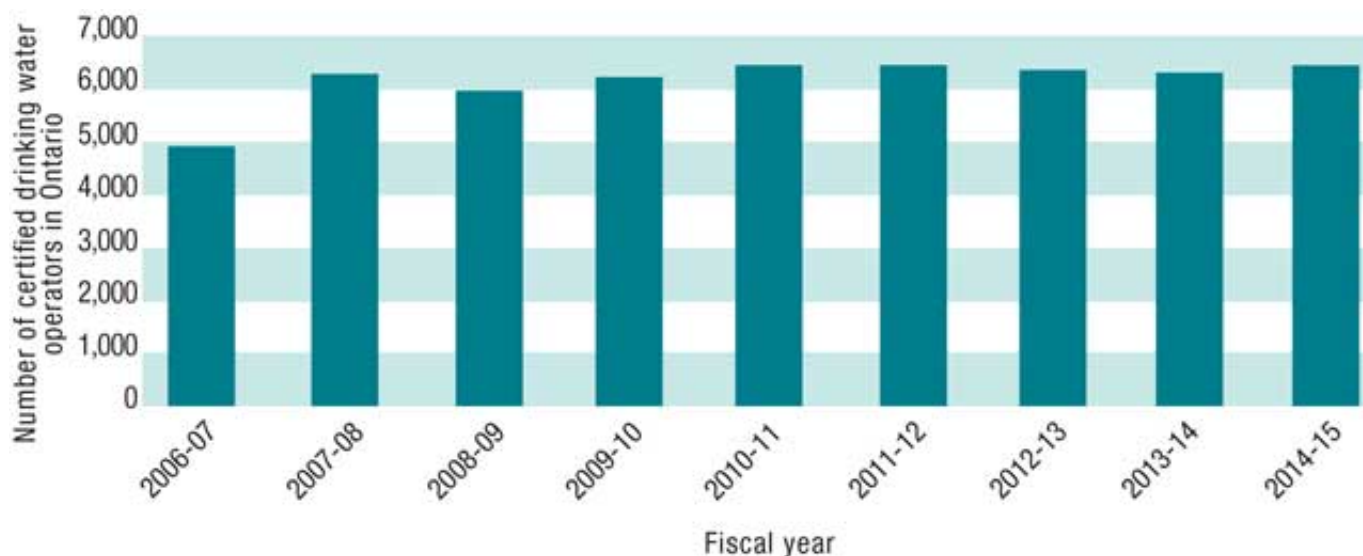
## Operator certification and training

Drinking water operators in Ontario must be trained according to the type and class of facility they operate. The more complex a system is (the higher the class of system), the more training an operator must complete. If an operator works in more than one type of drinking water system, he or she may hold multiple certificates.

In 2014-15, 1,299 operator-in-training certificates were issued to 754 operators. Of these, four were issued to four First Nations operators.

As of March 31, 2015, 6,388 drinking water operators held 8,916 certificates. One hundred and fifty-one of them were employed as First Nations system operators across the province. These operators held a total of 220 drinking water operator certificates.

**Figure 4: Number of certified drinking water operators in Ontario**



[Figure 4 CSV \(Comma-separated values\) \(comma separated values\) file](http://www.ontario.ca/files.ontario.ca/2049-cdwiar-2014-15-figure4-en.csv)  
(<http://www.ontario.ca/files.ontario.ca/2049-cdwiar-2014-15-figure4-en.csv>)

One of the ministry's key training partners is the Walkerton Clean Water Centre. The centre offers high quality hands-on operator training both on-site and throughout the province. As of March 31, 2015, the Walkerton Clean Water Centre has trained more than 55,700 new and existing professionals since it opened in 2004.

### Operator certification — disciplinary actions

Operators play a key role in safeguarding Ontario's drinking water, and ensuring the public is protected. Unethical behaviour does not happen often, but when it does, the ministry takes it very seriously. Depending on the severity of the incident, the ministry will revoke or suspend operator certificates/licences, or bar an operator from holding future certificates/licences.

During 2014-15, the ministry revoked one drinking water certificate held by one operator. One exam applicant also received a written reprimand. Please see [appendix 10](#) for further details.

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## Small Drinking Water Systems Program – Ministry of Health and Long-term Care

### Message from the Chief Medical Officer of Health

I am pleased to report that Ontario's Small Drinking Water Systems Program continues to demonstrate its value in protecting the health of Ontarians with the release of the 2014-2015 program results.

Since 2008, this innovative program has been overseen by the Ministry of Health and Long-Term Care and administered by local boards of health. Public health inspectors conduct detailed inspections and risk assessments of all small drinking water systems in Ontario, and provide owner/operators with a customized site-specific plan to keep their drinking water safe. This individualized approach rather than a one-size-fits-all program, has reduced unnecessary burden on small system owner/operators while upholding strict provincial drinking water standards.

The success of the Small Drinking Water Systems Program is being realized through the identification of and corrective actions taken to reduce adverse water quality incidents in systems that were not previously inspected. This milestone in drinking water protection was made possible through effective partnerships with provincial and local public health officials.

I want to take this opportunity to thank the local boards of health and all of our partners for their ongoing efforts and leadership in the protection of public health on this key part of Ontario's drinking water safety net.

David C. Williams, MD, MHSc, FRCPC  
Acting Chief Medical Officer of Health  
Ministry of Health and Long-Term Care

Information in the Small Drinking Water Systems Program Results Section was provided by the Ministry of Health and Long-Term Care. For more information about the Ministry of Health and Long-Term Care's [Small Drinking Water Systems Program](#) ([http://www.health.gov.on.ca/english/public/program/pubhealth/safewater/safewater\\_resources.html](http://www.health.gov.on.ca/english/public/program/pubhealth/safewater/safewater_resources.html)), please click the link.

### Small drinking water systems program results

#### Risk assessments

Across Ontario, thousands of businesses and other community sites in semi-rural to remote communities supply drinking water to the public. Many of these facilities do not obtain their drinking water from a municipal system. Most of these systems are classified as small drinking water systems.

As of March 31, 2015, there were approximately 10,000 small drinking water systems in Ontario. A number of small drinking water systems have multiple water sources with individual system units for each source. Many of these systems provide drinking water in restaurants, places of worship and community centres, resorts, rental cabins, motels, lodges, bed and breakfasts, and campgrounds, among other public settings.

Owners and operators of small drinking water systems have primary responsibility for protecting the drinking water they provide to the public. They are also responsible for meeting Ontario's regulatory requirements, including regular drinking water sampling and testing, and maintaining up-to-date records.

Through the Ministry of Health and Long-Term Care's Small Drinking Water Systems Program, regulated under the Health Protection and Promotion Act and its regulations, local boards of health (public health units) support operators in determining how to keep their water safe by applying a risk-based approach. Public health inspectors conduct a risk assessment of each small drinking water system and provide a customized directive for the owner and/or operator which may include requirements for water sampling, water treatment options, operational checks and operator training.

Information is collected during the initial on-site inspection about the water source, system equipment and components, and records relating to the system's water testing. Data is inputted by the public health inspector into a web-based Risk Categorization Assessment Tool (RCat (Risk Categorization Assessment Tool)) that evaluates all the factors that could influence the drinking water produced by a system. Through the use of the RCat (Risk Categorization Assessment Tool), the public health inspector determines a level of risk (low, moderate or high) for the drinking water system.

Systems categorized as "high risk" are monitored through more frequent sampling and testing, and are required to be inspected every two years. Moderate and low risk systems are also monitored through routine sampling and inspected at a frequency of every four years. During the scheduled inspections every two or four year cycle, the risk category is reviewed and updated. While many risk categories stay the same, some systems are re-classified to a lower category based on improved performance of the system and demonstrating a lower risk of unsafe water. Risk assessment data in Table 14 below includes initial site specific risk assessments and those conducted as part of the scheduled inspection cycle.

As of March 31, 2015, 14,584<sup>[6]</sup> initial or scheduled risk assessments have been conducted for the approximately 10,000 small drinking water systems.

<b>Risk assessments</b>	<b>As of March 31, 2014</b>	<b>As of March 31, 2015</b>
<b>Completed (includes initial risk assessments and those completed over the two and four year cycles)</b>	12,690	14,584
<b>Finalized risk assessment: High</b>	1,968 (15.51%)	2,048 (14.04%)
<b>Finalized risk assessment: Moderate</b>	1,938 (15.27%)	2,097 (14.38%)
<b>Finalized risk assessment: Low</b>	8,784 (69.22%)	10,439 (71.58%)

Table 15: Small drinking water systems risk assessments

#### Adverse water quality incidents for small drinking water systems

<b>Parameter type</b>	<b>Total # of test results</b>	<b>Total # of test results meeting standards</b>	<b>Total # of adverse test results</b>	<b>% meeting standards</b>
<b>Microbiological</b>	95,535	93,312	2,223	97.67%
<b>Chemical/Inorganic</b>	670	580	90	86.57%
<b>Organic</b>	57	57	0	100.00%

<b>Total</b>	96,262	93,949	2,313	97.60%
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Table 16: Summary of test results for small drinking water systems by parameter type for April 1, 2014 to March 31, 2015

In 2014-15, we continued to see gradual improvement in water sample quality with 97.60 per cent (up from 97.24 per cent in 2013-14) of test results submitted by laboratories on behalf of small drinking water systems meeting the provincial standards (see Table 15). The majority of adverse test results were microbiological (2,223), which is expected as over 99 per cent of water samples are tested for bacteria.

Operators are required to test for microbiological indicator organisms such as total coliform and E. coli at a frequency set out in their directive (or as per the regulation). Testing for other contaminants such as chemicals (e.g., nitrates) is only required where the risk assessment determines that other possible contaminants (e.g., agricultural runoff) could potentially pose a risk.

Regular sampling of drinking water systems is performed by operators who then submit the water samples to accredited laboratories for testing. Test results are recorded in the Laboratory Result Management System. In the event of an adverse test result, the laboratory notifies both the owner and/or operator of the small drinking water system and the local public health unit for immediate response.

An adverse test result does not necessarily mean that users are at risk of becoming ill. When an adverse test result occurs, immediate precautions are taken and drinking water advisories are issued where appropriate. During the current reporting period, 1,151 adverse water quality incidents (AWQI (Adverse Water Quality Incidents)s) were identified by water test results and an additional 145 AWQI (Adverse Water Quality Incidents)s were identified through other means such as observation of treatment malfunction. If an AWQI (Adverse Water Quality Incidents) is suspected through observation or detected by a test result, a response process is initiated which includes notification of users and the local medical officer of health. Further follow-up is immediately taken (e.g., re-testing of water) to determine if the water poses a risk to health if consumed or used and additional action is taken as required.

The Laboratory Result Management System is used for review of small drinking water systems' sampling compliance, test results and AWQI (Adverse Water Quality Incidents)s. In 2014-15, we saw decreases in adverse test results (17.42 per cent) and AWQI (Adverse Water Quality Incidents)s (14.57 per cent) from the previous year, while the number of samples submitted remained relatively stable (five per cent decrease). The reduction in adverse results and incidents may be attributed to the implementation of the Small Drinking Water Systems Program which is now well established across the province.

The adverse water quality incident data continues to demonstrate the importance of the Small Drinking Water Systems Program by identifying and tracking these incidents so that immediate action is taken to help protect drinking water users.

### **Response to adverse water quality incidents for small drinking water systems**

When an AWQI (Adverse Water Quality Incidents) is detected, the owner and/or operator of the small drinking water system is required to notify the local medical officer of health and to follow up with any action that may be required. The public health unit will perform a risk analysis and take appropriate action to inform and protect the public.

Response to an AWQI (Adverse Water Quality Incidents) may include issuing a drinking water advisory that will notify potential users whether the water is safe to use and drink or if it requires boiling to render it safe for use. The public health unit may also provide the owners and/or operators of a drinking water system with necessary corrective action(s) to be taken on the affected drinking water system to address the risk.

The comprehensive and proactive approach of the Small Drinking Water Systems Program is helping to minimize the occurrence of AWQI (Adverse Water Quality Incidents)s and safeguard water that comes from small systems. The program supports operators who are working closely with the public health units to learn how to protect their water from contaminants at the source; how and when to test their water; treatment options and maintenance of equipment; notification procedures; and actions to address a problem.

The Small Drinking Water Systems Program demonstrates the Ontario government's commitment to reduced regulatory burden, increased accountability and public transparency. Together we are upholding Justice O'Connor's recommendations to ensure that drinking water quality standards established for the province are not compromised, and meeting these standards in a way that supports the needs of small system operators.

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[6] The reported number of finalized risk assessments will change as new small drinking water systems are built/ come into use, when there is a change in use or operation is discontinued, and when systems become due for a routine re-inspection and risk assessment. The proportion of systems categorized as high, moderate or low risk may also fluctuate (e.g., if recommended improvements are taken to reduce the system's risk, a reassessment may reduce the level of risk). Similarly, a system may require reassessment to determine if the risk level has changed (e.g., if the water source and/or system's integrity has been affected by adverse weather events and/or system modifications are made).

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## Glossary

### **Contravention order:**

an order a provincial officer may issue under section 105 of the Safe Drinking Water Act if the provincial officer reasonably believes a person is contravening or has contravened a provision of the act or its regulations, an order issued under the act, or a condition in a certificate, permit, licence or approval issued under the act. It may require the ordered party to comply with any directions set out in the order within the time specified.

### **Corrosion inhibitor:**

a chemical that prevents deterioration and leaching of lead from the interior surface of a service line or plumbing.

### **Drinking water advisory:**

notice issued by a local medical officer of health when a drinking water problem cannot be corrected simply by boiling the water or through disinfection. Under a drinking water advisory, consumers are advised to use another source of drinking water until further notice.

### **Drinking water systems serving designated facilities:**

drinking water systems that only serve designated facilities such as schools (elementary and public), universities, colleges, children and youth care facilities (including day nurseries), health care facilities, children's camps and delivery agent care facilities (including certain hostels).

### **Escherichia coli (E. coli):**

a species of bacteria naturally present in the intestines of humans and animals. If animal or human waste containing E. coli contaminates drinking water it may cause gastrointestinal disease in humans. Most types of E. coli are harmless, but some active strains produce harmful toxins and can cause severe illness and even death.

**Local services boards:**

provide services (including, in some cases, water services) to communities in areas of Northern Ontario without municipal structure. They are established pursuant to the Northern Services Boards Act. Drinking water systems run by local services boards are generally categorized as non-municipal year-round residential drinking water systems under O. Reg. 170/03 (<http://www.ontario.ca/laws/regulation/O30170>).

**Municipal residential drinking water systems:**

drinking water systems (or part of a drinking water system) that are owned by and/or supply water to a municipality, that serve six or more private residences, and that meet other relevant criteria under the Safe Drinking Water Act and its regulations.

**Non-municipal year-round residential drinking water systems:**

drinking water systems that are not municipal systems (and are not seasonal residential systems) that serve six or more private residences or a trailer park or campground with more than five service connections.

**Preventative measures order:**

an order that a provincial officer may issue under section 106 of the Safe Drinking Water Act to a person who owns, manages or has control of a municipal drinking water system or a regulated non-municipal drinking water system, if the provincial officer considers it necessary for the purposes of the act. Such an order may be issued in the absence of a contravention, and is used to prevent possible future adverse effects.

**Radiological parameter:**

refers to radionuclides which are an unstable form of a chemical element that decays and results in the emission of nuclear radiation.

**Risk-based approach:**

a method for which the goal is to prevent, reduce and/or eliminate adverse effects.

**Total coliform:**

a group of waterborne bacteria consisting of three main groups with common characteristics that are used to indicate water quality. The presence of total coliform bacteria in water leaving a treatment plant or in any treated water immediately after treatment could indicate inadequate treatment and possible water contamination.

**Trihalomethanes:**

a group of compounds that can form when the chlorine used to disinfect drinking water reacts with naturally occurring organic matter (e.g., decaying leaves and vegetation).

**Water quality:**

a term used to describe the biological, chemical, physical and radiological characteristics of water, usually with respect to its suitability for a particular purpose, such as drinking.

## Appendices

### Appendix 1: Municipal residential drinking water systems' 2014-15 inspection ratings and drinking water quality results (percentage of tests meeting standards)

Municipal location (municipality where the drinking water system is located)	Drinking water system name	2014-15 Inspection rating	2014-15 Drinking water quality (% tests meeting standards)
Adjala-Tosorontio, Township of	Colgan Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Everett Drinking Water System	100.00%	100.00%

Adjala-Tosorontio, Township of	Hockley Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Lisle Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Loretto Heights Drinking Water System	97.05%	100.00%
Adjala-Tosorontio, Township of	Rosemont Drinking Water System	100.00%	100.00%
Adjala-Tosorontio, Township of	Weca Drinking Water System	100.00%	100.00%
Ajax, Town of	Oshawa-Whitby-Ajax Drinking Water System - Ajax	98.98%	99.79%
Alfred and Plantagenet, Township of	Lefaiivre and Plantagent Drinking Water System	100.00%	100.00%
Alfred and Plantagenet, Township of	Wendover Drinking Water System	100.00%	99.25%
Alnwick/Haldimand, Township of	Grafton Drinking Water System	100.00%	100.00%
Amaranth, Township of	Waldemar Drinking Water System	100.00%	100.00%
Amherstburg, Town of	Amherstburg Drinking Water System	100.00%	100.00%
Armstrong, Township of	Earlton Drinking Water System	100.00%	100.00%
Arnprior, Town of	Arnprior Drinking Water System	97.29%	99.88%
Arran-Elderslie, Municipality of	Arran-Elderslie Drinking Water System	97.52%	100.00%
Arran-Elderslie, Municipality of	Tara Drinking Water System	100.00%	100.00%
Ashfield-Colborne- Wawanosh, Township of	Benmiller Drinking Water System	90.21%	97.50%
Ashfield-Colborne- Wawanosh, Township of	Century Heights Subdivision Drinking Water System	86.74%	98.46%
Ashfield-Colborne- Wawanosh, Township of	Courtney Subdivision Distribution System	94.63%	100.00%
Ashfield-Colborne- Wawanosh, Township of	Dungannon Drinking Water System	95.82%	99.44%
Ashfield-Colborne- Wawanosh, Township of	Huron Sands Drinking Water System	94.00%	98.00%
Ashfield-Colborne- Wawanosh, Township of	South Lucknow Distribution System	100.00%	100.00%
Asphodel-Norwood, Township of	Norwood Drinking Water System	100.00%	100.00%
Asphodel-Norwood, Township of	Trentview Estates Distribution System	100.00%	100.00%
Assiginack, Township of	Manitowaning Drinking Water System	100.00%	100.00%
Assiginack, Township of	Sunsite Estates Subdivision Drinking Water System	100.00%	100.00%
Atikokan, Township of	Atikokan Drinking Water System	86.28%	99.75%
Aurora, Town of	Town of Aurora Distribution System	100.00%	99.73%
Aurora, Town of	York Drinking Water System - Aurora	100.00%	99.91%



Aylmer, Town of	Aylmer Area Secondary Water Supply System	100.00%	100.00%
Aylmer, Town of	Aylmer Distribution System	92.98%	99.82%
Bancroft, Town of	Bancroft Drinking Water System	97.67%	100.00%
Barrie, City of	Barrie Drinking Water System	93.69%	99.94%
Bayham, Municipality of	Municipality of Bayham Distribution System	100.00%	99.74%
Bayham, Municipality of	Richmond Community Drinking Water System	100.00%	100.00%
Belleville, City of	Belleville Drinking Water System	100.00%	99.80%
Belleville, City of	Point Anne Hamlet Drinking Water System	100.00%	100.00%
Billings, Township of	Kagawong Drinking Water System	90.47%	100.00%
Black River-Matheson, Township of	Holtyre Drinking Water System	100.00%	100.00%
Black River-Matheson, Township of	Matheson Drinking Water System	100.00%	100.00%
Black River-Matheson, Township of	Ramore Drinking Water System	100.00%	100.00%
Black River-Matheson, Township of	Val Gagne Drinking Water System	100.00%	100.00%
Blandford-Blenheim, County of	Bright Drinking Water System	97.17%	100.00%
Blandford-Blenheim, County of	Drumbo Drinking Water System	99.42%	100.00%
Blandford-Blenheim, County of	Plattsville Drinking Water System	100.00%	100.00%
Blind River, Town of	Blind River Drinking Water System	100.00%	100.00%
Bluewater, Municipality of	Bluewater Lakeshore Distribution System	100.00%	99.79%
Bluewater, Municipality of	Carriage Lane Drinking Water System	95.28%	100.00%
Bluewater, Municipality of	Harbour Lights Drinking Water System	95.57%	100.00%
Bluewater, Municipality of	Hensall Distribution System	100.00%	100.00%
Bluewater, Municipality of	Zurich Drinking Water System	100.00%	100.00%
Bonnechere Valley, Township of	Eganville Drinking Water System	100.00%	100.00%
Bracebridge, Town of	Bracebridge (Kirby's Beach) Drinking Water System	100.00%	100.00%
Bradford West Gwillimbury, Town of	Bradford/Bondhead Drinking Water System	100.00%	99.93%
Brant, County of	Airport Drinking Water System	100.00%	99.82%
Brant, County of	Cainsville-King George Road Distribution System - Cainsville Distribution System	100.00%	100.00%
Brant, County of	Cainsville-King George Road Distribution System - King George Road Distribution System	100.00%	100.00%

Brant, County of	Mt. Pleasant Drinking Water System	97.98%	100.00%
Brant, County of	Paris Drinking Water System	100.00%	99.92%
Brant, County of	St. George Drinking Water System	100.00%	100.00%
Brantford, City of	City of Brantford Drinking Water System	100.00%	99.86%
Brighton, Municipality of	Brighton Springs Drinking Water System	100.00%	100.00%
Brock, Township of	Cannington Drinking Water System	98.44%	100.00%
Brock, Township of	Sunderland Drinking Water System	98.58%	100.00%
Brock, Township of	Beaverton Drinking Water System	98.97%	100.00%
Brockton, Municipality of	Chepstow Drinking Water System	100.00%	98.47%
Brockton, Municipality of	Lake Rosalind Drinking Water System	97.17%	100.00%
Brockton, Municipality of	Walkerton Drinking Water System	99.47%	98.52%
Brockton, Municipality of	Town of Hanover Drinking Water System	100.00%	100.00%
Brockville, City of	Brockville Drinking Water System	99.53%	99.68%
Brooke-Alvinston, Municipality of	Alvinston Distribution System	95.54%	100.00%
Bruce Mines, Town of	Bruce Mines Drinking Water System	99.47%	100.00%
Burk's Falls, Village of	Burk's Falls Drinking Water System	95.01%	99.47%
Burlington, City of	South Halton Drinking Water System-Snake Road Distribution System	100.00%	100.00%
Burlington, City of	South Halton Drinking Water System-Bridgeview Community Distribution System	100.00%	100.00%
Burlington, City of	South Halton Drinking Water System-Burlington	100.00%	99.68%
Burlington, City of	South Halton Drinking Water System-North Aldershot Distribution System	100.00%	99.55%
Caledon, Town of	Caledon Village and Alton Drinking Water System	100.00%	100.00%
Caledon, Town of	Cheltenham Drinking Water System	100.00%	100.00%
Caledon, Town of	Inglewood Drinking Water System	97.29%	100.00%
Caledon, Town of	Palgrave-Caledon East Drinking Water System	100.00%	99.94%
Callander, Municipality of	Callander Drinking Water System	91.65%	100.00%
Cambridge, City of	Cambridge Distribution System	100.00%	99.89%
Cambridge, City of	Region of Waterloo Drinking Water System - Cambridge	97.47%	100.00%
Carleton Place, Town of	Carleton Place Drinking Water System	94.38%	100.00%
Casselman, Village of	Casselman Drinking Water System	100.00%	100.00%

Cavan-Monaghan, Township of	Millbrook Drinking Water System	100.00%	100.00%
Central Elgin, Municipality of	Belmont Drinking Water System	100.00%	100.00%
Central Elgin, Municipality of	Central Elgin Distribution System	100.00%	99.88%
Central Elgin, Municipality of	Elgin Area Primary Water Supply System	100.00%	100.00%
Central Huron, Municipality of	Auburn Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	Clinton Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	Kelly Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	McClinchey Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	S.A.M. Drinking Water System	100.00%	100.00%
Central Huron, Municipality of	Van De Wetering Drinking Water System	100.00%	100.00%
CentralManitoulin, Municipality of	Mindemoya Drinking Water System	95.83%	99.80%
Centre Wellington, Township of	Centre Wellington Drinking Water System	98.46%	99.97%
Champlain, Township of	Laurentian Park Distribution System	100.00%	98.33%
Champlain, Township of	L'Orignal Distribution System	100.00%	99.06%
Champlain, Township of	Vankleek Hill Distribution System	100.00%	100.00%
Chapleau, Township of	Chapleau Drinking Water System	96.32%	99.63%
Chapple, Township of	Barwick Drinking Water System	100.00%	95.95%
Charlton and Dack, Municipality of	Bradley Subdivision Distribution System	100.00%	93.44%
Charlton and Dack, Municipality of	Charlton Drinking Water System	100.00%	100.00%
Chatham-Kent, Municipality of	Bothwell Distribution System	88.62%	99.84%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - Chatham	100.00%	99.80%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - Wallaceburg	100.00%	99.87%
Chatham-Kent, Municipality of	Ridgetown Drinking Water System	100.00%	99.50%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - South Chatham-Kent	100.00%	100.00%
Chatham-Kent, Municipality of	Chatham-Kent Drinking Water System - Wheatley	98.96%	99.85%
Chatham-Kent, Municipality of	Highgate Drinking Water System	99.22%	98.44%
Chatsworth, Township of	Chatsworth Drinking Water System	100.00%	100.00%
Chatsworth, Township of	Walter's Falls Drinking Water System	100.00%	100.00%
Clarence-Rockland, City of	Rockland Drinking Water System	100.00%	100.00%
Clarington, Municipality of	Bowmanville Drinking Water System	98.94%	100.00%

Clarington, Municipality of	Newcastle Drinking Water System	98.33%	99.93%
Clarington, Municipality of	Orono Drinking Water System	98.22%	100.00%
Clearview, Township of	Buckingham Woods Drinking Water System	100.00%	98.60%
Clearview, Township of	Colling-Woodlands Drinking Water System	100.00%	100.00%
Clearview, Township of	Creemore Drinking Water System	96.38%	99.61%
Clearview, Township of	New Lowell Drinking Water System	95.94%	100.00%
Clearview, Township of	Nottawa Drinking Water System	96.10%	99.75%
Clearview, Township of	Stayner Drinking Water System	93.52%	100.00%
Cobalt, Town of	Cobalt Drinking Water System	100.00%	100.00%
Cobourg, Town of	Cobourg Drinking Water System	100.00%	100.00%
Cochrane, Town of	Cochrane Drinking Water System	100.00%	100.00%
Coleman, Township of	Coleman Distribution System	100.00%	Not applicable <sup>1</sup>
Collingwood, Town of	Collingwood Drinking Water System	96.84%	100.00%
Cornwall, City of	Cornwall Drinking Water System	100.00%	100.00%
Cramahe, Township of	Colborne Drinking Water System	100.00%	100.00%
Dawn-Euphemia, Township of	Dawn-Euphemia Distribution System	100.00%	100.00%
Deep River, Town of	Deep River Drinking Water System	100.00%	99.52%
Deseronto, Town of	Deseronto Drinking Water System	100.00%	99.80%
Dryden, City of	Dryden Drinking Water System	88.96%	99.91%
Dubreuilville, Township of	Dubreuilville Drinking Water System	97.26%	100.00%
Dutton-Dunwich, Municipality of	Dutton-Dunwich Distribution System	100.00%	99.78%
Ear Falls, Township of	Ear Falls Drinking Water System	95.88%	99.14%
East Garafraxa, Township of	Marsville Subdivision Drinking Water System	100.00%	100.00%
East Gwillimbury, Town of	Holland Landing/Queensville/Sharon Distribution System	100.00%	100.00%
East Gwillimbury, Town of	Mount Albert Distribution System	100.00%	100.00%
East Gwillimbury, Town of	Mount Albert Drinking Water System	100.00%	100.00%
East Gwillimbury, Town of	Yonge-Green Lane Distribution System	100.00%	100.00%
East Gwillimbury, Town of	York Drinking Water System - Holland Landing	95.24%	100.00%
East Gwillimbury, Town of	York Drinking Water System - Queensville	95.88%	100.00%
East Luther Grand Valley, Township of	Grand Valley Drinking Water System	100.00%	100.00%

East Zorra-Tavistock, Township of	Hickson Drinking Water System	100.00%	100.00%
East Zorra-Tavistock, Township of	Innerkip Drinking Water System	100.00%	100.00%
East Zorra-Tavistock, Township of	Tavistock Drinking Water System	100.00%	100.00%
Edwardsburgh/Cardinal, Township of	Bennett Street Drinking Water System	100.00%	100.00%
Edwardsburgh/Cardinal, Township of	Cardinal Drinking Water System	100.00%	100.00%
Edwardsburgh/Cardinal, Township of	Edwardsburgh Industrial Park Distribution System	100.00%	100.00%
Elizabethtown-Kitley, Township of	Elizabethtown - Kitley Distribution System	100.00%	Not applicable <sup>1</sup>
Elliot Lake, City of	Elliot Lake Drinking Water System	97.37%	100.00%
Emo, Township of	Emo Drinking Water System	97.67%	99.43%
Englehart, Town of	Englehart Drinking Water System	100.00%	99.44%
Enniskillen, Township of	Enniskillen Township Distribution System	100.00%	99.83%
Erin, Town of	Erin Drinking Water System	97.17%	100.00%
Erin, Town of	Hillsburgh Drinking Water System	100.00%	100.00%
Espanola, Town of	Espanola Drinking Water System	91.54%	99.84%
Essa, Township of	Angus Drinking Water System	95.33%	100.00%
Essa, Township of	Baxter Distribution System	100.00%	100.00%
Essa, Township of	Glen Avenue (Thornton) Drinking Water System	100.00%	100.00%
Essex, Town of	Essex Drinking Water System - Essex Distribution System	100.00%	99.85%
Essex, Town of	Essex Drinking Water System - Harrow-Colchester South	98.44%	100.00%
Fauquier-Strickland, Township of	Fauquier Drinking Water System	88.71%	99.50%
Fort Erie, Town of	Fort Erie Distribution System	100.00%	99.58%
Fort Erie, Town of	Rosehill Drinking Water System	100.00%	100.00%
Fort Frances, Town of	Fort Frances Drinking Water System	80.71%	99.82%
Front of Yonge, Township of	Miller Manor Apartments Drinking Water System	100.00%	100.00%
Galway-Cavendish and Harvey, Township of	Alpine/Pirates Glen Drinking Water System	95.82%	100.00%
Galway-Cavendish and Harvey, Township of	Buckhorn Lake Estates Drinking Water System	100.00%	100.00%
Gananoque, Town of	James W. King Drinking Water System	99.47%	99.70%
	Mactier (Beech) Drinking Water		

Georgian Bay, Township of	System	100.00%	100.00%
Georgian Bay, Township of	Port Severn (Lone Pine) Drinking Water System	100.00%	100.00%
Georgian Bluffs, Township of	East Linton Drinking Water System	100.00%	100.00%
Georgian Bluffs, Township of	Oxenden Distribution System	100.00%	100.00%
Georgian Bluffs, Township of	Pottawatomi Drinking Water System	92.01%	98.54%
Georgian Bluffs, Township of	Shallow Lake Drinking Water System	99.52%	99.77%
Georgina, Town of	Georgina Drinking Water System - Georgina	100.00%	100.00%
Georgina, Town of	Georgina Drinking Water System - Keswick	100.00%	100.00%
Georgina, Town of	Keswick-Sutton Distribution System	100.00%	100.00%
Goderich, Town of	Goderich Drinking Water System	78.75%	100.00%
Gore Bay, Town of	Gore Bay Drinking Water System	96.89%	99.80%
Gravenhurst, Town of	Gravenhurst (Muskoka Beach) Drinking Water System	95.83%	100.00%
Greater Napanee, Town of	A.L. Dafoe Drinking Water System	100.00%	99.88%
Greater Napanee, Town of	Sandhurst Shores Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Dowling Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Falconbridge Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Onaping/Levack Drinking Water System	100.00%	100.00%
Greater Sudbury, City of	Sudbury Drinking Water System - David St.	100.00%	99.88%
Greater Sudbury, City of	Sudbury Drinking Water System - Garson	100.00%	100.00%
Greater Sudbury, City of	Sudbury Drinking Water System - Wahnapeitei	100.00%	99.94%
Greater Sudbury, City of	Valley Drinking Water System	97.47%	99.97%
Greater Sudbury, City of	Vermillion Distribution System	100.00%	100.00%
Greater Sudbury, City of	Vermilion Drinking Water System	100.00%	100.00%
Greenstone, Municipality of	Beardmore Drinking Water System	100.00%	100.00%
Greenstone, Municipality of	Caramat Drinking Water System	98.36%	100.00%
Greenstone, Municipality of	Geraldton Drinking Water System	84.01%	100.00%
Greenstone, Municipality of	Longlac Drinking Water System	100.00%	100.00%
Greenstone, Municipality of	Nakina Drinking Water System	100.00%	99.76%
Grey Highlands, Municipality of	Kimberley-Amik-Talisman Drinking Water System	100.00%	100.00%

Grey Highlands, Municipality of	Markdale Drinking Water System	100.00%	100.00%
Grimsby, Town of	Grimsby Distribution System	100.00%	99.93%
Grimsby, Town of	Grimsby Drinking Water System	100.00%	100.00%
Guelph, City of	Guelph Drinking Water System	100.00%	100.00%
Guelph/Eramosa, Township of	Gazer Mooney Subdivision Distribution System	100.00%	100.00%
Guelph/Eramosa, Township of	Hamilton Drive Drinking Water System	100.00%	99.82%
Guelph/Eramosa, Township of	Rockwood Drinking Water System	100.00%	100.00%
Haldimand County	Caledonia and Cayuga Distribution System	100.00%	100.00%
Haldimand County	Dunnville Drinking Water System	100.00%	100.00%
Haldimand County	Nanticoke Drinking Water System	97.68%	99.92%
Halton Hills, Town of	Acton Drinking Water System	100.00%	100.00%
Halton Hills, Town of	Georgetown Drinking Water System	100.00%	99.92%
Hamilton, City of	Carlisle Drinking Water System	100.00%	99.94%
Hamilton, City of	Freelton Drinking Water System	100.00%	99.33%
Hamilton, City of	Greensville Drinking Water System	100.00%	100.00%
Hamilton, City of	Hamilton Drinking Water System - Fifty Road Distribution System	100.00%	99.15%
Hamilton, City of	Hamilton Drinking Water System - Woodward	100.00%	99.84%
Hamilton, City of	Lynden Drinking Water System	97.31%	99.72%
Hamilton, Township of	Camborne Drinking Water System	100.00%	100.00%
Hamilton, Township of	Creighton Heights Drinking Water System	100.00%	99.77%
Hamilton, Township of	Hamilton Township Distribution System	100.00%	Not applicable <sup>1</sup>
Havelock-Belmont- Methuen, Township of	Havelock Drinking Water System	100.00%	100.00%
Hawkesbury, Town of	Hawkesbury Drinking Water System	100.00%	99.81%
Hearst, Town of	Hearst Drinking Water System	93.04%	99.46%
Highlands East, Municipality of	Cardiff Drinking Water System	100.00%	100.00%
Highlands East, Municipality of	Dyno Estates Drinking Water System	100.00%	100.00%
Hilton Beach, Village of	Hilton Beach Drinking Water System	100.00%	100.00%
Hornepayne, Township of	Herbert Avenue Drinking Water System	100.00%	99.45%
Huntsville, Town of	Huntsville (Fairview) Drinking Water System	100.00%	99.88%

Huntsville, Town of	Port Sydney (Clarke Well) Drinking Water System	100.00%	99.29%
Huron East, Municipality of	Brucefield Drinking Water System	100.00%	100.00%
Huron East, Municipality of	Brussels Drinking Water System	100.00%	100.00%
Huron East, Municipality of	Seaforth Drinking Water System	100.00%	99.63%
Huron East, Municipality of	Vanastra Distribution System	100.00%	100.00%
Huron-Kinloss, Township of	Huronville Subdivision Distribution System	100.00%	100.00%
Huron-Kinloss, Township of	Lakeshore Drinking Water System	85.63%	99.30%
Huron-Kinloss, Township of	Lucknow Drinking Water System	95.92%	99.33%
Huron-Kinloss, Township of	Ripley Drinking Water System	100.00%	99.45%
Huron-Kinloss, Township of	Whitechurch Drinking Water System	100.00%	100.00%
Ignace, Township of	Ignace Drinking Water System	87.47%	100.00%
Ingersoll, Town of	Ingersoll Drinking Water System	100.00%	99.05%
Innisfil, Town of	Alcona Drinking Water System	100.00%	99.94%
Innisfil, Town of	Churchill Drinking Water System	100.00%	100.00%
Innisfil, Town of	Goldcrest Drinking Water System	100.00%	100.00%
Innisfil, Town of	Innisfil Heights Drinking Water System	100.00%	100.00%
Innisfil, Town of	Stroud Drinking Water System	100.00%	100.00%
Iroquois Falls, Town of	Iroquois Falls Drinking Water System	100.00%	99.82%
Iroquois Falls, Town of	Monteith Correctional Complex Drinking Water System	100.00%	100.00%
Iroquois Falls, Town of	Monteith Distribution System	100.00%	100.00%
Iroquois Falls, Town of	Porquis Junction Drinking Water System	100.00%	100.00%
James, Township of	Elk Lake Drinking Water System	95.33%	100.00%
Johnson, Township of	Desbarats Drinking Water System	100.00%	100.00%
Kapuskasing, Town of	Kapuskasing Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Birchpoint Estates Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Bobcaygeon Drinking Water System	100.00%	99.61%
Kawartha Lakes, City of	Canadiana Shores Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Fenelon Falls Drinking Water System	100.00%	99.61%
Kawartha Lakes, City of	Janetville Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	King's Bay Drinking Water System	100.00%	100.00%



Kawartha Lakes, City of	Kinmount Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Lindsay Drinking Water System	100.00%	99.94%
Kawartha Lakes, City of	Manilla Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Manorview Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Mariposa Estates Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Norland Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Omeme Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Pinewood Drinking Water System	100.00%	99.34%
Kawartha Lakes, City of	Pleasant Point Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Sonya Village Subdivision Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Southview Estates Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Victoria Place Drinking Water System	96.94%	99.76%
Kawartha Lakes, City of	Western Trent/ Palmina Drinking Water System	96.15%	100.00%
Kawartha Lakes, City of	Woodfield Drinking Water System	100.00%	100.00%
Kawartha Lakes, City of	Woodville Drinking Water System	98.38%	100.00%
Kenora, City of	Kenora Area Drinking Water System	100.00%	99.09%
Killaloe, Hagarty and Richards, Township of	Killaloe Drinking Water System	100.00%	100.00%
Killarney, Municipality of	Killarney Drinking Water System	100.00%	99.76%
Kincardine, Municipality of	Armow Drinking Water System	100.00%	100.00%
Kincardine, Municipality of	Kincardine Drinking Water System	100.00%	100.00%
Kincardine, Municipality of	Scott Point Drinking Water System	100.00%	98.51%
Kincardine, Municipality of	Tiverton Drinking Water System	91.52%	100.00%
Kincardine, Municipality of	Underwood Drinking Water System	100.00%	100.00%
King, Township of	Ansnoeveldt Distribution System	100.00%	100.00%
King, Township of	Ansnoeveldt Drinking Water System	100.00%	100.00%
King, Township of	King City Distribution System	100.00%	100.00%
King, Township of	King City Drinking Water System	100.00%	100.00%
King, Township of	Nobleton Distribution System	100.00%	100.00%
King, Township of	Nobleton Drinking Water System	100.00%	100.00%
King, Township of	Schomberg Distribution System	100.00%	99.70%
King, Township of	Schomberg Drinking Water System	100.00%	100.00%

Kingston, City of	Cana Drinking Water System	100.00%	99.58%
Kingston, City of	Kingston Drinking Water System - King Street	100.00%	99.80%
Kingston, City of	Kingston Drinking Water System - Point Pleasant	100.00%	100.00%
Kingsville, Town of	Kingsville Distribution System	100.00%	100.00%
Kingsville, Town of	Union Area Water Supply System	96.77%	100.00%
Kirkland Lake, Town of	Kirkland Lake Drinking Water System	100.00%	100.00%
Kitchener, City of	Kitchener Distribution System	91.03%	99.40%
Kitchener, City of	Region of Waterloo Drinking Water System - Kitchener	100.00%	100.00%
Kitchener, City of	Region of Waterloo Drinking Water System - Mannheim	100.00%	100.00%
Lake of Bays, Township of	Birch Glen (Baysville) Drinking Water System	95.87%	99.61%
Lakeshore, Town of	Town of Lakeshore Drinking Water System	100.00%	99.90%
Lakeshore, Town of	Town of Lakeshore Drinking Water System - Stoney Point	100.00%	100.00%
Lakeshore, Town of	Town of Lakeshore Drinking Water System - Tecumseh Distribution System	100.00%	100.00%
Lakeshore, Town of	Town of Lakeshore Drinking Water System - Union Distribution System	100.00%	100.00%
Lambton Shores, Municipality of	East Lambton Shores Distribution System	100.00%	99.94%
Lambton Shores, Municipality of	West Lambton Shores Distribution System	100.00%	100.00%
Larder Lake, Township of	Larder Lake Drinking Water System	100.00%	100.00%
LaSalle, Town of	Town of Lasalle Distribution System	100.00%	100.00%
Latchford, Town of	Latchford Drinking Water System	98.83%	100.00%
Laurentian Hills, Town of	Chalk River Drinking Water System	100.00%	99.40%
Laurentian Valley, Township of	Laurentian Valley Distribution System	96.57%	100.00%
Leamington, Municipality of	Leamington Distribution System - Union Distribution System	100.00%	99.91%
Leamington, Municipality of	Leamington Distribution System - Wheatley Distribution System	100.00%	100.00%
Leeds and the Thousand Islands, Township of	Lansdowne Drinking Water System	100.00%	100.00%
Lincoln, Town of	Beamsville Distribution System	100.00%	99.75%
Lincoln, Town of	Jordan-Vineland Distribution System	100.00%	99.49%

London, City of	City of London Distribution System	98.98%	99.71%
Loyalist, Township of	Bath Drinking Water System	100.00%	99.85%
Loyalist, Township of	Fairfield Drinking Water System	100.00%	100.00%
Lucan Biddulph, Township of	Lucan Biddulph Distribution System	91.35%	100.00%
Macdonald, Meredith and Aberdeen Additional, Township of	Echo Bay Drinking Water System	100.00%	100.00%
Machin, Township of	Vermilion Bay Drinking Water System	95.80%	100.00%
Madawaska Valley, Township of	Barry's Bay Drinking Water System	100.00%	100.00%
Madoc, Township of	Madoc Drinking Water System	99.27%	100.00%
Malahide, Township of	Malahide Distribution System	100.00%	100.00%
Malahide, Township of	Port Burwell Area Secondary Water Supply System	100.00%	100.00%
Manitouwadge, Township of	Manitouwadge Drinking Water System	96.88%	100.00%
Mapleton, Township of	Drayton Drinking Water System	100.00%	100.00%
Mapleton, Township of	Moorefield Drinking Water System	100.00%	100.00%
Marathon, Town of	Marathon Drinking Water System	85.45%	100.00%
Markham, City of	Markham Distribution System	100.00%	99.82%
Markham/Richmond Hill/Vaughan, Municipalities of	York Drinking Water System - York Distribution System	100.00%	100.00%
Markstay-Warren, Municipality of	Markstay Distribution System	93.37%	100.00%
Markstay-Warren, Municipality of	Warren Drinking Water System	96.06%	99.52%
Marmora and Lake, Municipality of	Deloro Drinking Water System	100.00%	100.00%
Marmora and Lake, Municipality of	Marmora Drinking Water System	100.00%	100.00%
Matachewan, Township of	Matachewan Drinking Water System	100.00%	100.00%
Mattawa, Town of	Mattawa Drinking Water System	100.00%	100.00%
Mattice-Val Côté, Township of	Mattice Drinking Water System	100.00%	99.28%
McDougall, Township of	McDougall Nobel Distribution System	84.59%	99.71%
McGarry, Township of	Virginiatown-Kearns Drinking Water System	100.00%	100.00%
Meaford, Municipality of	Leith Distribution System	96.34%	99.59%
Meaford, Municipality of	Meaford Drinking Water System	100.00%	100.00%
Merrickville-Wolford, Village of	Merrickville Drinking Water System	100.00%	100.00%
MiddlesexCentre, Municipality of	Birr Drinking Water System	95.70%	100.00%
MiddlesexCentre, Municipality of	Melrose Drinking Water System	91.53%	100.00%
	Middlesex Centre Distribution		

MiddlesexCentre, Municipality of	System - Middlesex Centre Distribution System	100.00%	100.00%
Midland, Town of	Midland Drinking Water System	87.53%	99.53%
Milton, Town of	Campbellville Drinking Water System	100.00%	100.00%
Milton, Town of	South Halton Drinking Water System-Milton	100.00%	100.00%
Minden Hills, Township of	Lutterworth Pines Drinking Water System	100.00%	100.00%
Minden Hills, Township of	Minden Drinking Water System	97.28%	100.00%
Minto, Town of	Clifford Drinking Water System	100.00%	100.00%
Minto, Town of	Harriston Drinking Water System	100.00%	100.00%
Minto, Town of	Minto Pines Subdivision Drinking Water System	100.00%	100.00%
Minto, Town of	Palmerston Drinking Water System	100.00%	100.00%
Mississauga, City of	South Peel Distribution System	95.69%	99.86%
Mississauga, City of	South Peel Drinking Water System - Lakeview	95.75%	100.00%
Mississauga, City of	South Peel Drinking Water System - Lorne Park	95.67%	100.00%
Mississippi Mills, Town of	Mississippi Mills Drinking Water System	96.51%	100.00%
Mono, Town of	Cardinal Woods Drinking Water System	91.46%	100.00%
Mono, Town of	Island Lake Drinking Water System	97.27%	100.00%
Montague, Township of	Montague Distribution System	95.42%	100.00%
Moonbeam, Township of	Moonbeam Drinking Water System	98.22%	100.00%
Moosonee, Town of	Moosonee Drinking Water System	95.70%	99.65%
Morris-Turnberry, Municipality of	Belgrave Drinking Water System	100.00%	99.71%
Mulmur, Township of	Mansfield Drinking Water System	96.91%	100.00%
Muskoka Lakes, Township of	Bala (Minto) Drinking Water System	100.00%	99.61%
Muskoka Lakes, Township of	Port Carling (Ferndale) Drinking Water System	100.00%	100.00%
Nairn and Hyman, Township of	Nairn Centre Drinking Water System	95.38%	100.00%
New Tecumseth, Town of	Alliston Drinking Water System	93.04%	100.00%
New Tecumseth, Town of	Tottenham Drinking Water System	88.78%	99.45%
Newbury, Village of	Newbury (West Elgin Area Well Supply) Distribution System	100.00%	100.00%
Newmarket, Town of	Newmarket Distribution System	91.14%	99.82%
Newmarket, Town of	York Drinking Water System - Newmarket	95.21%	100.00%

Niagara Falls, City of	City of Niagara Falls Distribution System	100.00%	99.96%
Niagara Falls, City of	Decew Falls-Niagara Falls Drinking Water System - Niagara Falls	100.00%	100.00%
Niagara-on-the-Lake, Town of	Bevan Heights Distribution System	77.84%	100.00%
Niagara-on-the-Lake, Town of	Niagara-on-the-Lake Distribution System	78.28%	100.00%
Nipigon, Township of	Nipigon Drinking Water System	79.19%	100.00%
Norfolk County	Delhi Drinking Water System	100.00%	100.00%
Norfolk County	Port Dover Drinking Water System	100.00%	100.00%
Norfolk County	Port Rowan Drinking Water System	97.46%	99.62%
Norfolk County	Simcoe Drinking Water System	100.00%	100.00%
Norfolk County	Waterford Drinking Water System	100.00%	100.00%
North Bay, City of	North Bay Drinking Water System	96.33%	99.91%
North Dumfries, Township of	Ayr Drinking Water System	95.33%	100.00%
North Dumfries, Township of	Branchton Drinking Water System	100.00%	100.00%
North Dumfries, Township of	Region of Waterloo Drinking Water System - Lloyd Brown Distribution System	100.00%	100.00%
North Dumfries, Township of	Roseville Drinking Water System	100.00%	100.00%
North Dundas, Township of	Chesterville Drinking Water System	100.00%	100.00%
North Glengarry, Township of	Alexandria Drinking Water System	100.00%	100.00%
North Glengarry, Township of	Glen Robertson Drinking Water System	100.00%	100.00%
North Grenville, Municipality of	Kemptville Drinking Water System	97.22%	100.00%
North Huron, Township of	Blyth Drinking Water System	100.00%	99.62%
North Huron, Township of	Wingham Drinking Water System	100.00%	100.00%
North Middlesex, Municipality of	North Middlesex Distribution System	100.00%	99.69%
NorthPerth, Municipality of	Atwood Drinking Water System	100.00%	99.70%
NorthPerth, Municipality of	Gowanstown Subdivision Drinking Water System	100.00%	100.00%
NorthPerth, Municipality of	Listowel Drinking Water System	100.00%	100.00%
NorthPerth, Municipality of	Molesworth Drinking Water System	100.00%	100.00%
North Stormont, Township of	Crysler Drinking Water System	100.00%	100.00%
North Stormont, Township of	Finch Drinking Water System	100.00%	100.00%
North Stormont, Township of	Moose Creek Drinking Water System	100.00%	100.00%
Northeastern Manitoulin and The Islands, Town of	Little Current Drinking Water System	98.38%	100.00%

Northeastern Manitoulin and The Islands, Town of	Sheguiandah Drinking Water System	88.34%	100.00%
Northern Bruce Peninsula, Municipality of	Lion's Head Drinking Water System	100.00%	100.00%
Norwich, Township of	Norwich Drinking Water System	Not applicable <sup>2</sup>	100.00%
Norwich, Township of	Oxford South Drinking Water System	96.28%	100.00%
Oakville, Town of	South Halton Drinking Water System-Burloak	100.00%	100.00%
Oakville, Town of	South Halton Drinking Water System-Oakville	100.00%	100.00%
Oakville, Town of	South Halton Drinking Water System-South Halton Distribution System	100.00%	99.95%
Oil Springs, Village of	Oil Springs Water Distribution System	100.00%	100.00%
Oliver Paipoonge, Municipality of	Roslyn Village Subdivision Drinking Water System	94.97%	100.00%
Opasatika, Township of	Opasatika Drinking Water System	100.00%	100.00%
Orangeville, Town of	Orangeville Drinking Water System	100.00%	99.97%
Orillia, City of	Orillia Drinking Water System	99.06%	99.87%
Oro-Medonte, Township of	Canterbury Drinking Water System	100.00%	98.67%
Oro-Medonte, Township of	Cedar Brook Drinking Water System	95.10%	100.00%
Oro-Medonte, Township of	Craighurst Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Harbourwood Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Horseshoe Highlands Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Maplewood Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Medonte Hills Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Robin Crest Drinking Water System	96.92%	100.00%
Oro-Medonte, Township of	Shanty Bay Drinking Water System	95.37%	100.00%
Oro-Medonte, Township of	Sugar Bush Drinking Water System	100.00%	100.00%
Oro-Medonte, Township of	Warminster Drinking Water System	100.00%	99.70%
Oshawa, City of	Oshawa-Whitby-Ajax Drinking Water System - Oshawa	98.99%	99.96%
Otonabee-South Monaghan, Township of	Elgeti and Crystal Springs Subdivisions Drinking Water System	100.00%	100.00%
Otonabee-South Monaghan, Township of	Keene Heights Subdivision Drinking Water System	97.77%	100.00%
Ottawa, City of	Carp Drinking Water System	100.00%	100.00%
Ottawa, City of	Central Drinking Water System - Britannia	100.00%	99.84%

Ottawa, City of	Central Drinking Water System - Lemieux Island	100.00%	100.00%
Ottawa, City of	Kings Park Drinking Water System	100.00%	99.90%
Ottawa, City of	Munster Hamlet Drinking Water System	100.00%	100.00%
Ottawa, City of	Shadow Ridge Drinking Water System	100.00%	99.76%
Ottawa, City of	Vars Drinking Water System	100.00%	100.00%
Owen Sound, City of	Owen Sound Drinking Water System	96.06%	100.00%
Parry Sound, Town of	Parry Sound Drinking Water System	100.00%	100.00%
Pelham, Town of	Pelham Distribution System	100.00%	99.78%
Pembroke, City of	Pembroke Drinking Water System	98.26%	99.73%
Penetanguishene, Town of	Lepage Subdivision (Penetanguishene) Drinking Water System	100.00%	100.00%
Penetanguishene, Town of	Payette (Penetanguishene) Drinking Water System	100.00%	100.00%
Perth East, Township of	Milverton Drinking Water System	92.74%	100.00%
Perth East, Township of	Shakespeare Drinking Water System	93.53%	99.70%
Perth South, Township of	Sebringville Drinking Water System	87.47%	98.78%
Perth South, Township of	St. Pauls Drinking Water System	88.40%	98.80%
Perth, Town of	Perth Drinking Water System	98.30%	100.00%
Petawawa, Town of	Petawawa Drinking Water System	100.00%	99.88%
Peterborough, City of	Peterborough Drinking Water System	100.00%	99.78%
Petrolia, Town of	Petrolia Drinking Water System	97.39%	99.73%
Pickle Lake, Township of	Pickle Lake Drinking Water System	98.20%	100.00%
Plympton-Wyoming, Town of	Plympton-Wyoming Distribution System	97.56%	100.00%
Point Edward, Village of	Village of Point Edward Distribution System	98.59%	100.00%
Port Colborne, City of	Port Colborne Distribution System	100.00%	99.88%
Port Colborne, City of	Port Colborne Drinking Water System	100.00%	100.00%
Port Hope, Municipality of	Port Hope Drinking Water System	100.00%	100.00%
Powassan, Municipality of	Powassan Drinking Water System	92.53%	100.00%
Prescott, Town of	Prescott Drinking Water System	100.00%	100.00%
Prince Edward, County of	Ameliasburgh Hamlet Drinking Water System	95.67%	100.00%
Prince Edward, County of	Consecon/Carrying Place Distribution	98.90%	100.00%

	System		
Prince Edward, County of	Fenwood Gardens/Rossmore Distribution System	100.00%	100.00%
Prince Edward, County of	Peats Point Subdivision Drinking Water System	96.27%	100.00%
Prince Edward, County of	Picton Drinking Water System	95.83%	99.47%
Prince Edward, County of	Wellington Drinking Water System	100.00%	100.00%
Quinte West, City of	Bayside Drinking Water System	100.00%	99.82%
Quinte West, City of	Frankford-Batawa Drinking Water System	98.22%	100.00%
Quinte West, City of	Trenton Drinking Water System	100.00%	99.90%
Rainy River, Town of	Rainy River Drinking Water System	95.73%	98.80%
Ramara, Township of	Bayshore Village Subdivision Drinking Water System	100.00%	100.00%
Ramara, Township of	Brechin and Lagoon City Drinking Water System	95.26%	100.00%
Ramara, Township of	Davy Drive Subdivision Drinking Water System	100.00%	100.00%
Ramara, Township of	Park Lane Subdivision Drinking Water System	100.00%	100.00%
Ramara, Township of	Somerset/ Knob Hill Distribution System	100.00%	99.56%
Ramara, Township of	South Ramara Drinking Water System	100.00%	100.00%
Ramara, Township of	Val Harbour Subdivision Drinking Water System	100.00%	100.00%
Red Lake, Municipality of	Balmertown Cochenour Mackenzie Island Drinking Water System	95.80%	99.87%
Red Lake, Municipality of	Madsen Drinking Water System	92.45%	100.00%
Red Lake, Municipality of	Red Lake Drinking Water System	93.35%	99.44%
Red Rock, Township of	Red Rock Drinking Water System	87.73%	100.00%
Renfrew, Town of	Renfrew Drinking Water System	90.75%	99.51%
Richmond Hill, Town of	Richmond Hill Distribution System	100.00%	99.52%
Russell, Township of	Russell Distribution System	100.00%	99.54%
Sables-Spanish Rivers, Township of	Massey Drinking Water System	98.61%	99.58%
Sarnia, City of	Lambton Area Water Supply System	100.00%	100.00%
Sarnia, City of	Sarnia Distribution System	98.77%	99.95%
Saugeen Shores, Town of	Saugeen Shores Drinking Water System	100.00%	100.00%
Sault Ste. Marie, City of	Sault Ste. Marie Drinking Water System	100.00%	100.00%



Schreiber, Township of	Schreiber Drinking Water System	100.00%	100.00%
Scugog, Township of	Blackstock Drinking Water System	98.22%	99.86%
Scugog, Township of	Greenbank Drinking Water System	98.27%	99.81%
Scugog, Township of	Port Perry Drinking Water System	95.46%	99.66%
Severn, Township of	Bass Lake Woodlands Drinking Water System	100.00%	100.00%
Severn, Township of	Coldwater Drinking Water System	100.00%	100.00%
Severn, Township of	Sandcastle Estates Drinking Water System	95.83%	99.24%
Severn, Township of	Severn Estates Drinking Water System	100.00%	100.00%
Severn, Township of	Washago Drinking Water System	100.00%	100.00%
Severn, Township of	West Shore Drinking Water System	100.00%	99.80%
Shelburne, Town of	Shelburne Drinking Water System	100.00%	100.00%
Sioux Lookout, Municipality of	Hudson Drinking Water System	100.00%	100.00%
Sioux Lookout, Municipality of	Sioux Lookout Urban Drinking Water System	87.09%	99.41%
Smith Falls, Town of	Smiths Falls Drinking Water System	95.34%	100.00%
Smith-Ennismore- Lakefield, Township of	Lakefield Drinking Water System	100.00%	100.00%
Smith-Ennismore- Lakefield, Township of	Woodland Acres Subdivision Distribution System	100.00%	100.00%
Smooth Rock Falls, Town of	Smooth Rock Falls Drinking Water System	100.00%	99.77%
South Bruce Peninsula, Town of	Amabel-Sauble Drinking Water System	100.00%	100.00%
South Bruce Peninsula, Town of	Foreman Drinking Water System	100.00%	100.00%
South Bruce Peninsula, Town of	Huron Woods Drinking Water System	100.00%	100.00%
South Bruce Peninsula, Town of	Oliphant Drinking Water System	100.00%	100.00%
South Bruce Peninsula, Town of	Wiaraton Drinking Water System	100.00%	100.00%
South Bruce, Municipality of	Mildmay Drinking Water System	98.30%	100.00%
South Bruce, Municipality of	Teeswater Drinking Water System	98.43%	99.81%
South Dundas, Township of	South Dundas Regional Drinking Water System	100.00%	99.61%
South Frontenac, Township of	Sydenham Drinking Water System	100.00%	100.00%
South Glengarry, Township of	Glen Walter Drinking Water System	100.00%	100.00%
South Glengarry, Township of	Lancaster Drinking Water System	96.74%	100.00%
South Glengarry, Township of	Redwood Estates Drinking Water System	100.00%	99.23%

South Huron, Municipality of	Lake Huron Primary Water Supply System	94.48%	100.00%
South Huron, Municipality of	South Huron Distribution System	100.00%	100.00%
South River, Village of	South River Drinking Water System	94.37%	100.00%
South Stormont, Township of	Long Sault/Ingleside Regional Drinking Water System	98.21%	100.00%
South Stormont, Township of	Newington Drinking Water System	98.33%	100.00%
South Stormont, Township of	St. Andrews/Rosedale Terrace Distribution System	98.36%	100.00%
Southgate, Township of	Dundalk Drinking Water System	97.37%	99.88%
Southwest Middlesex, Municipality of	Southwest Middlesex Distribution System	94.37%	99.86%
South-West Oxford, Township of	Beachville Drinking Water System	96.77%	100.00%
South-West Oxford, Township of	Brownsville Drinking Water System	98.10%	99.40%
South-West Oxford, Township of	Dereham Centre Drinking Water System	100.00%	100.00%
South-West Oxford, Township of	Mount Elgin Drinking Water System	100.00%	100.00%
Southwold, Township of	Southwold Distribution System	99.20%	100.00%
Spanish, Town of	Spanish Drinking Water System	88.12%	100.00%
Springwater, Township of	Anten Mills Drinking Water System	100.00%	99.74%
Springwater, Township of	Del Trend Subdivision Drinking Water System	96.54%	100.00%
Springwater, Township of	Elmvale Drinking Water System	100.00%	100.00%
Springwater, Township of	Hillsdale Drinking Water System	100.00%	100.00%
Springwater, Township of	Midhurst Drinking Water System	100.00%	100.00%
Springwater, Township of	Minesing Drinking Water System	100.00%	100.00%
Springwater, Township of	Phelpston Drinking Water System	100.00%	100.00%
Springwater, Township of	Snow Valley Highlands Drinking Water System	100.00%	100.00%
Springwater, Township of	Vespra Downs Subdivision Drinking Water System	100.00%	100.00%
St. Catharines, City of	Decew Falls-Niagara Falls Drinking Water System - Decew Falls	100.00%	99.92%
St. Catharines, City of	St. Catharines Distribution System	91.18%	99.97%
St. Clair, Township of	St. Clair Distribution System	92.28%	100.00%
St. Joseph, Township of	Richards Landing Drinking Water System	100.00%	100.00%
St. Marys, Town of	St. Marys Drinking Water System	93.68%	100.00%
St. Thomas, City of	St. Thomas Area Secondary Water Supply System	86.04%	100.00%

St. Thomas, City of	City of St. Thomas Distribution System	100.00%	99.87%
Stirling-Rawdon, Township of	Stirling Drinking Water System	96.70%	100.00%
Stratford, City of	Stratford Drinking Water System	98.13%	98.97%
Strathroy-Caradoc, Township of	Strathroy-Caradoc Distribution System - Strathroy Distribution System	95.84%	99.67%
Tay, Township of	Rope Drinking Water System	100.00%	100.00%
Tay, Township of	Victoria Harbour Drinking Water System	91.94%	99.92%
Tecumseh, Town of	Tecumseh Distribution System	91.49%	99.91%
Tehkummah, Township of	South Baymouth Drinking Water System	100.00%	100.00%
Temagami, Municipality of	Temagami North Drinking Water System	98.19%	100.00%
Temagami, Municipality of	Temagami South Drinking Water System	98.19%	100.00%
Temiskaming Shores, City of	Dymond Drinking Water System	93.35%	100.00%
Temiskaming Shores, City of	Haileybury Drinking Water System	98.41%	100.00%
Temiskaming Shores, City of	New Liskeard Drinking Water System	98.85%	100.00%
Terrace Bay, Township of	Terrace Bay Drinking Water System	93.29%	100.00%
Thames Centre, Municipality of	Dorchester Drinking Water System	100.00%	100.00%
Thames Centre, Municipality of	Thorndale Drinking Water System	97.00%	99.70%
The Blue Mountains, Town of	Thornbury Drinking Water System	92.71%	99.92%
The Nation, Municipality of	Limoges Drinking Water System	95.79%	99.24%
The Nation, Municipality of	St. Isidore Distribution System	100.00%	100.00%
The North Shore, Township of	Pronto East Subdivision Drinking Water System	100.00%	98.26%
The North Shore, Township of	Serpent River Drinking Water System	100.00%	100.00%
Thessalon, Town of	Thessalon Drinking Water System	100.00%	100.00%
Thorold, City of	Thorold (Decew) Distribution System	100.00%	100.00%
Thorold, City of	Thorold (Port Robinson) Distribution System	100.00%	99.70%
Thunder Bay, City of	Bare Point Road Drinking Water System	97.39%	99.87%
Tillsonburg, Town of	Tillsonburg Drinking Water System	96.20%	100.00%
Timmins, City of	Timmins Drinking Water System	100.00%	100.00%
Tiny, Township of	Bluewater Drinking Water System	100.00%	99.79%
Tiny, Township of	Castle Cove Drinking Water System	100.00%	100.00%

Tiny, Township of	Cook's Lake Drinking Water System	100.00%	100.00%
Tiny, Township of	Georgian Bay Estates Drinking Water System	100.00%	100.00%
Tiny, Township of	Lafontaine Drinking Water System	94.25%	100.00%
Tiny, Township of	Lefaive Drinking Water System	100.00%	100.00%
Tiny, Township of	Pennorth Drinking Water System	95.10%	100.00%
Tiny, Township of	Perkinsfield Drinking Water System	98.90%	99.56%
Tiny, Township of	Rayko Drinking Water System	100.00%	100.00%
Tiny, Township of	Sawlog Bay Drinking Water System	96.71%	99.21%
Tiny, Township of	Tee Pee Point Drinking Water System	100.00%	100.00%
Tiny, Township of	Thunder Bay Drinking Water System	100.00%	99.21%
Tiny, Township of	Vanier Woods Drinking Water System	100.00%	100.00%
Tiny, Township of	Whip-Poor-Will Drinking Water System	96.27%	100.00%
Tiny, Township of	Woodland Beach Drinking Water System	100.00%	100.00%
Tiny, Township of	Wyevale Drinking Water System	100.00%	99.82%
Toronto, City of	City of Toronto Drinking Water System - F. J. Horgan	100.00%	100.00%
Toronto, City of	City of Toronto Drinking Water System - R. L.Clark	100.00%	99.97%
Toronto, City of	City of Toronto Drinking Water System - R.C.Harris	100.00%	100.00%
Toronto, City of	City of Toronto Drinking Water System - Toronto Distribution System	100.00%	97.26%
Toronto, City of	City of Toronto Drinking Water System - Toronto Island	100.00%	100.00%
Trent Hills, Municipality of	Campbellford Drinking Water System	100.00%	100.00%
Trent Hills, Municipality of	Hastings Drinking Water System	100.00%	99.81%
Trent Hills, Municipality of	Warkworth Drinking Water System	100.00%	99.76%
Tweed, Municipality of	Tweed Drinking Water System	100.00%	100.00%
Uxbridge, Township of	Uxbridge Drinking Water System	98.51%	100.00%
Val Rita-Harty, Township of	Val Rita Drinking Water System	100.00%	100.00%
Vaughan, City of	Kleinburg Drinking Water System	100.00%	100.00%
Vaughan, City of	Vaughan Distribution System	100.00%	99.85%
Warwick, Township of	Township of Warwick Distribution System	97.45%	100.00%
Wasaga Beach, Town of	Wasaga Beach Drinking Water System	96.92%	100.00%

Waterloo, City of	City of Waterloo Distribution System	100.00%	99.69%
Waterloo, City of	Region of Waterloo Drinking Water System - Waterloo	100.00%	100.00%
Wawa, Municipality of	Wawa Drinking Water System	100.00%	99.67%
Welland, City of	Welland Distribution System	100.00%	99.91%
Welland, City of	Welland Drinking Water System	100.00%	100.00%
Wellesley, Township of	Linwood Drinking Water System	100.00%	99.78%
Wellesley, Township of	St. Clements Drinking Water System	100.00%	100.00%
Wellesley, Township of	Wellesley Drinking Water System	100.00%	100.00%
Wellington North, Township of	Arthur Drinking Water System	100.00%	100.00%
Wellington North, Township of	Mount Forest Drinking Water System	100.00%	100.00%
West Elgin, Municipality of	Tri-County Drinking Water System	94.03%	99.85%
West Elgin, Municipality of	West Elgin Distribution System	100.00%	100.00%
West Grey, Municipality of	Durham Drinking Water System	97.35%	100.00%
West Grey, Municipality of	Neustadt Drinking Water System	100.00%	100.00%
West Lincoln, Township of	Smithville Distribution System	100.00%	99.26%
West Nipissing, Municipality of	Sturgeon Falls Drinking Water System	100.00%	100.00%
West Nipissing, Municipality of	Verner Drinking Water System	94.66%	100.00%
West Perth, Municipality of	Mitchell Drinking Water System	95.86%	99.71%
Westport, Village of	Westport Drinking Water System	96.07%	99.13%
Whitby, Town of	Oshawa-Whitby-Ajax Drinking Water System - Whitby	98.98%	99.96%
Whitchurch-Stouffville, Town of	Ballantrae-Musselman Lake Distribution System	100.00%	99.43%
Whitchurch-Stouffville, Town of	Ballantrae-Musselman's Drinking Water System	100.00%	100.00%
Whitchurch-Stouffville, Town of	Stouffville Distribution System	100.00%	99.94%
Whitchurch-Stouffville, Town of	York Drinking Water System - Stouffville	100.00%	100.00%
White River, Township of	White River Drinking Water System	99.49%	99.00%
Whitewater Region, Township of	Beachburg Drinking Water System	100.00%	100.00%
Whitewater Region, Township of	Cobden Drinking Water System	96.95%	99.77%
Whitewater Region, Township of	Haley Drinking Water System	100.00%	100.00%
Wilmot, Township of	Foxboro Drinking Water System	94.34%	99.46%
Wilmot, Township of	New Dundee Distribution System	95.65%	100.00%
Wilmot, Township of	New Dundee Drinking Water System	100.00%	100.00%

Wilmot, Township of	New Hamburg-Baden Distribution System	83.40%	100.00%
Wilmot, Township of	Region of Waterloo Drinking Water System - Mannheim Village	100.00%	100.00%
Wilmot, Township of	Region of Waterloo Drinking Water System - New Hamburg-Baden	100.00%	100.00%
Wilmot, Township of	Region of Waterloo Drinking Water System -Shingletown	100.00%	100.00%
Wilmot, Township of	St. Agatha Distribution System	96.71%	99.10%
Windsor, City of	City of Windsor Drinking Water System	100.00%	99.88%
Woodstock, City of	Woodstock Drinking Water System	100.00%	99.68%
Woolwich, Township of	Conestogo Golf Distribution System	100.00%	100.00%
Woolwich, Township of	Conestogo Golf Drinking Water System	100.00%	100.00%
Woolwich, Township of	Conestogo Plains Distribution System	100.00%	100.00%
Woolwich, Township of	Conestogo Plains Drinking Water System	100.00%	100.00%
Woolwich, Township of	Elmira-St. Jacobs-Breslau Distribution System - Breslau Distribution System	100.00%	100.00%
Woolwich, Township of	Elmira-St. Jacobs-Breslau Distribution System - Elmira-St. Jacobs Distribution System	100.00%	99.56%
Woolwich, Township of	Heidelberg Distribution System	100.00%	100.00%
Woolwich, Township of	Heidelberg Drinking Water System	100.00%	100.00%
Woolwich, Township of	Maryhill Drinking Water System - Maryhill	100.00%	100.00%
Woolwich, Township of	Maryhill Drinking Water System - Maryhill Village Heights	100.00%	100.00%
Woolwich, Township of	Maryhill Heights Distribution System	100.00%	100.00%
Woolwich, Township of	Maryhill Isley Distribution System	100.00%	100.00%
Woolwich, Township of	West Montrose Distribution System	100.00%	100.00%
Woolwich, Township of	West Montrose Drinking Water System	100.00%	100.00%
Zorra, Township of	Embros Drinking Water System	100.00%	100.00%
Zorra, Township of	Lakeside Drinking Water System	95.25%	99.40%
Zorra, Township of	Thamesford Drinking Water System	100.00%	99.79%

<sup>1</sup> Three systems that received their water from another municipal residential drinking water system had their samples represented within the samples collected and submitted by municipal residential drinking water systems that supplied water to them.

<sup>2</sup> In 2014-15, the Norwich Drinking Water System amalgamated with the Otterville-Springford Drinking Water System forming the Oxford South Drinking Water System. The inspection and subsequent inspection rating of the Oxford South Drinking Water System included data review and an inspection of the Norwich and Otterville-Springford Drinking Water Systems during the 2014-15 inspection cycle. The percentage of drinking water quality tests meeting standards represents samples taken up to the point of the amalgamation.

## Appendix 2: Status of lead control strategy in 2014-15

Municipality	Date municipality identified for corrosion control	Lead control strategy	Corrosion control status	Lead service line replacement status
Lucan Biddulph, The Corporation of the Township of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>Completed</li> </ul>
Owen Sound, The Corporation of the City of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>Completed</li> </ul>
Red Lake, The Corporation of the Municipality of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical</li> </ul>	<ul style="list-style-type: none"> <li>Implemented</li> <li>Reduced lead levels confirmed</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
Smiths Falls, The Corporation of the Separated Town of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical</li> </ul>	<ul style="list-style-type: none"> <li>Implemented</li> <li>Reduced lead levels confirmed</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
Terrace Bay, The Corporation of the Township of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: use of a corrosion inhibitor</li> </ul>	<ul style="list-style-type: none"> <li>Implemented</li> <li>Reduced lead levels confirmed</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
Ear Falls, The Corporation of the Township of	April 1, 2009	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical</li> </ul>	<ul style="list-style-type: none"> <li>Implemented</li> <li>Reduced lead levels confirmed</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
London, The Corporation of the City of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical</li> <li>Lead service line replacement</li> <li>Public awareness/outreach</li> </ul>	<ul style="list-style-type: none"> <li>Implemented</li> <li>Reduced lead levels confirmed</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>

Toronto, City of	October 15, 2009	<ul style="list-style-type: none"> <li>Corrosion control plan: use of a corrosion inhibitor</li> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Implemented</li> <li>Sampling taking place to evaluate effectiveness of corrosion control</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Arnprior, The Corporation of the Town of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical</li> <li>Treatment plant upgrades</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
Brantford, The Corporation of the City of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> <li>Treatment plant upgrades completed</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Gananoque, The Corporation of the Separated Town of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Guelph, The Corporation of the City of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Hamilton, City of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: use of a corrosion inhibitor</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> <li>Full scale use of a corrosion inhibitor scheduled for 2015</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
Sarnia, The City of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Sault Ste. Marie, City of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical and use of a corrosion inhibitor</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>
Sioux Lookout, The		<ul style="list-style-type: none"> <li>Corrosion control plan: pH</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>	<ul style="list-style-type: none"> <li>Not</li> </ul>



Corporation of the Municipality of	October 15, 2008	adjustment of water by addition of chemical		applicable
Thunder Bay, The Corporation of the City of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: pH adjustment of water by addition of chemical</li> <li>Lead service line replacement</li> <li>Cleaning and rehabilitation of older watermains</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Welland, The Corporation of the City of	October 15, 2008	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Windsor, City of	October 15, 2008	<ul style="list-style-type: none"> <li>Corrosion control plan: use of a corrosion inhibitor</li> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> <li>Full scale use of a corrosion inhibitor to be completed in 2015</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>
Woolwich, The Corporation of the Township of	October 15, 2009	<ul style="list-style-type: none"> <li>Lead service line replacement</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>In progress</li> </ul>

### Appendix 3: Summary of municipal residential drinking water systems receiving orders in 2014-15

Drinking water system owner	Name of system related to order	Type of order	Date order issued	Order synopsis
Niagara Falls, The Corporation of The City of	City of Niagara Falls Distribution System	Preventative measures order	July 25, 2014	<ul style="list-style-type: none"> <li>Six new watermains were not integrated into the system's drawings within 12 months of the projects being completed.</li> <li>The non-compliances were reoccurrences from the 2013-14 inspection where the watermains from one project had not been included in the system's drawings on time.</li> <li>The purpose of the Provincial Officer's Order was to ensure that non-compliance items reported in the 2014-15 inspection report were addressed within the timelines agreed upon with the system and steps were</li> </ul>

				taken to prevent a reoccurrence of the issue.
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#### Appendix 4: Summary of non-licensed facilities receiving orders in 2014-15

Laboratory name	Municipal location	Type of order	Date order issued	Order synopsis
2293560 Ontario Inc.	Orillia, City of	Contravention	March 30, 2015	<ul style="list-style-type: none"> <li>• Cease providing drinking water testing services to any and all facilities under the Safe Drinking Water Act, including but not limited to private drinking water wells and regulated drinking water systems.</li> <li>• Provide the client list including contact information to the ministry for follow up.</li> </ul>

#### Appendix 5: Summary of municipal residential drinking water system convictions – April 1, 2014 to March 31, 2015<sup>1</sup>

Operator of drinking water system	Name of system related to conviction	Synopsis	Date charges laid	Conviction date	Total fines
7064152 Canada Ltd.	Westport Drinking Water System	A legal entity and one individual were convicted for offences related to operator certificates for water quality analysts, proper maintenance of log/record keeping mechanisms, for providing false or misleading information to a Provincial Officer and for failing to comply with a Provincial Officer's Order.	July 23, 2013	May 30, 2014	\$19,000.00
<b>Total</b>					\$19,000.00

<sup>1</sup> The conviction statistics include date of charge and conviction, not offence date.

#### Appendix 6: Summary of non-municipal year-round residential drinking water system convictions – April 1, 2014 to March 31, 2015<sup>1</sup>

Name of system related to conviction	Synopsis	Date charges laid	Conviction date	Total fines
The Olde Hotel Apartments Well Supply	An individual was convicted for failing to ensure that at least one distribution sample was taken every two weeks and tested for microbiological parameters.	January 14, 2015	March 17, 2015	\$1,600
Ravenscliffe Road Apartments Well Supply	An individual was convicted for failing to collect required distribution samples.	March 19, 2014	September 16, 2014	\$2,000
Muskoka All Seasons Resort Well Supply	A legal entity was convicted for failing to ensure that a drinking water treatment system was being maintained by a licenced operator.	March 13, 2014	September 12, 2014	\$7,000

Michael Tierney's Apartments Well Supply	An individual was convicted for offences related to failing to ensure the provision of adequate water treatment equipment, failing to ensure system operation by trained personnel and failing to adequately sample the distribution system.	January 14, 2015	February 17, 2015	\$7,500
Peace Valley Trailer Haven Well Supply	An individual was convicted for failing to comply with a Provincial Officer's Order related to the operation of a drinking water system.	July 5, 2013	February 13, 2015	\$5,000
Willowdale Trailer Court Well Supply	An individual was convicted for failing to ensure that a drinking water system at a trailer park was operated in compliance with the Safe Drinking Water Act and for failing to comply with a Provincial Officer's Order issued to address the non-compliance.	January 15, 2014	September 4, 2014	\$20,000
374 Front Road East Well Supply	An individual was convicted for operating a drinking water system without a valid operator's certificate and for failing to ensure that a licenced engineering practitioner prepared a report within thirty days after the system commenced operation.	September 9, 2013	April 3, 2014	\$7,000
<b>Total</b>				<b>\$50,100.00</b>

<sup>1</sup> The conviction statistics include date of charge and conviction, not offence date.

## Appendix 7: Summary of systems serving designated facilities convictions – April 1, 2014 to March 31, 2015<sup>1</sup>

Name of system related to conviction	Synopsis	Date charges laid	Conviction date	Total fines
YMCA (Young Men's Christian Association)-YMCA (Young Men's Christian Association) Camp Stephens Water Treatment Plant	A legal entity was convicted for failing to report that inadequately treated water was directed to users of a drinking water system.	August 30, 2013	May 8, 2014	\$24,000
Choices - Harvest Well Supply, Choices - Orkney Well Supply, Choices - Rockton Well Supply, Choices - Westfield Well Supply	A legal entity was convicted for offences related to issues at four different drinking water systems, including offences related to sampling, operator training, preparation of a maintenance schedule and notifying the Director of any change in information.	July 18, 2013	July 17, 2014	\$14,000
Jaamiah Al Uloom Al Islamiyyah Well Supply	An individual was convicted for failing to comply with a Provincial Officer's Order to provide written confirmation from a Certified Operator that drinking water treatment equipment was in good repair.	July 18, 2012	April 2, 2014	\$5,000
Christian Horizons Simcoe 3 Well Supply	A legal entity and an individual were convicted for failing to properly operate drinking water treatment equipment and for providing false and misleading information to a Provincial Officer.	March 19, 2014	June 18, 2014 & August 11, 2014	\$10,500
Cairn Well Supply	A legal entity was convicted for failing to report a prescribed adverse water quality result, failing to ensure the maintenance schedule was followed by trained personnel and failing to ensure that no drinking water was supplied to users of water after a shutdown period of seven or more consecutive days until samples had been taken and tested.	September 18, 2014	November 18, 2014	\$5,000
Camp Seedrioru Well Supply	A legal entity was convicted for failing to take water samples and have them tested after a shutdown for a period of seven or more consecutive days prior to supplying water to the users of the water.	May 5, 2014	September 8, 2014	\$2,500
Weechi-It-Te-Win Ganawendaasowin	A legal entity was convicted for failing to immediately	June 2,	August 29,	

Treatment Program Well Supply	report that drinking water had not been properly disinfected.	2014	2014	\$2,400
Lake Joseph Centre (CNIB) Well Supply	A legal entity and an individual were convicted for failing to ensure that water samples for sodium and fluoride were taken, failing to ensure that an annual report had been prepared, and for including false or misleading information in a document.	September 27, 2013	November 18, 2014	\$12,500
<b>Total</b>				\$75,900.00

<sup>1</sup> The conviction statistics include date of charge and conviction, not offence date.

#### Appendix 8: Summary of non-licensed facility convictions – April 1, 2014 to March 31, 2015<sup>1</sup>

Non-licensed facility	Synopsis	Date charges laid	Conviction date	Total fines
GAP EnviroMicrobial Services Ltd.	A legal entity and one individual were convicted for failing to immediately report prescribed adverse results for a drinking water test.	January 30, 2014	January 6, 2015	\$13,500.00
<b>Total</b>				\$13,500.00

<sup>1</sup> The conviction statistics include date of charge and conviction, not offence date.

#### Appendix 9: Summary of drinking water consultant convictions – April 1, 2014 to March 31, 2015<sup>1</sup>

Drinking water consultant	Synopsis	Date charges laid	Conviction date	Total fines
Garry Palmateer Consulting Inc. <sup>2</sup>	An individual was convicted of offering and providing a drinking water testing service without a valid drinking water testing licence.	January 30, 2014	December 9, 2014	\$2,500.00
<b>Total</b>				\$2,500.00

<sup>1</sup> The conviction statistics include date of charge and conviction, not offence date.

<sup>2</sup> The corporation was not charged in this case.

#### Appendix 10: Disciplinary actions taken against certified drinking water operators in 2014-2015

Operator:	Reason for action:	Action taken:
#1 <sup>1</sup>	Operator failed to exercise the level of care, diligence and skill that a reasonably prudent operator would be expected to exercise; failed to act honestly, competently and with integrity; worked as an operator without being certified as such.	Revoked: Class II Water Distribution and Supply Certificate.
#2	Operator candidate did not follow exam procedures.	Written notice issued to candidate by Director.

<sup>1</sup> In addition to the disciplinary actions described above, the operator was convicted under the Safe Drinking Water Act and fined under \$1,000.

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