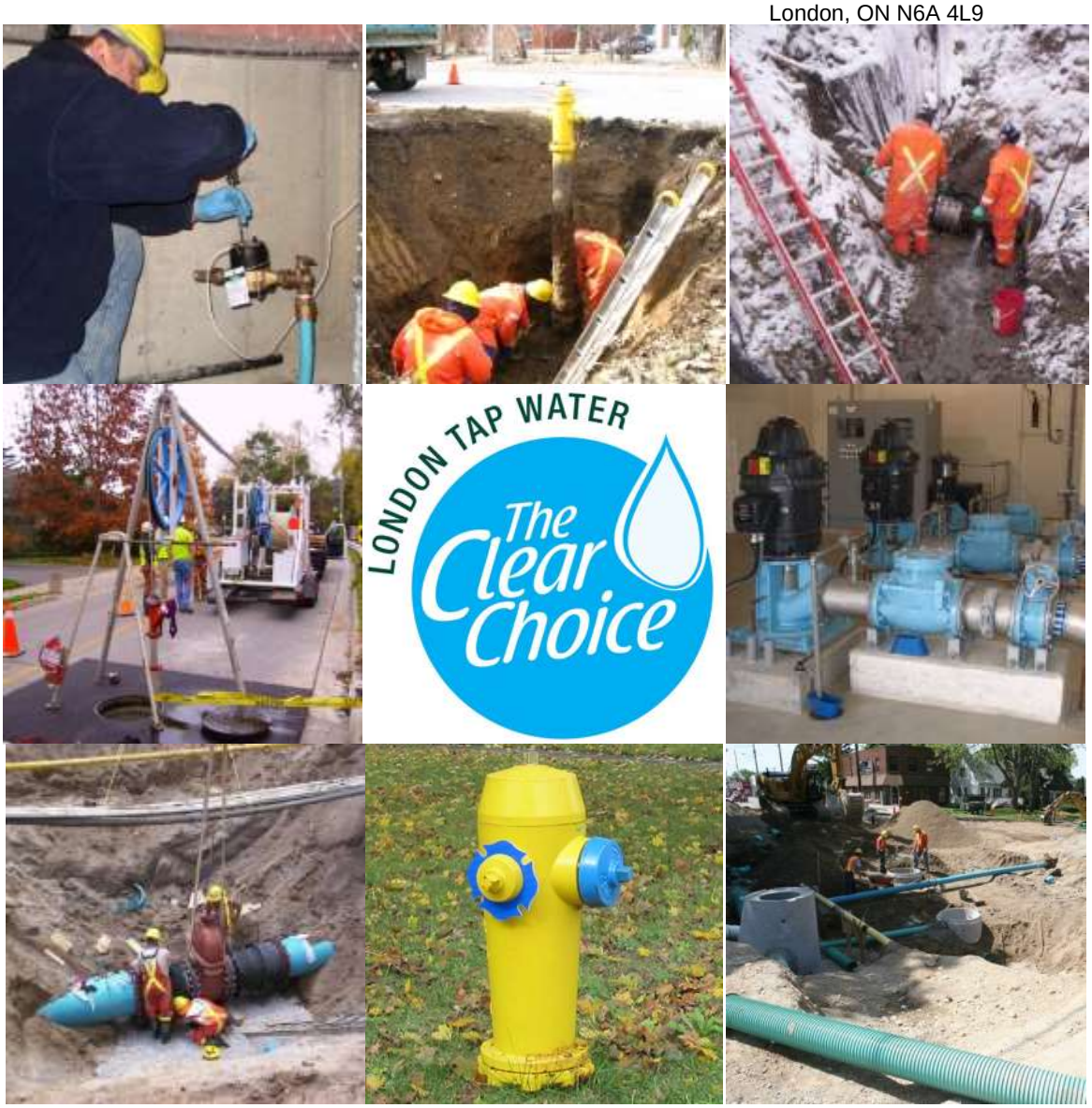
# CITY OF LONDON
# 2014 DRINKING WATER SUMMARY REPORT

*System Name:* City of London Distribution System

*Mailing Address*: Corporation of the City of London
P.O. Box 5035, 300 Dufferin Ave.
London, ON N6A 4L9




*System Rating:* Water Distribution Subsystem Class IV
Water Treatment Subsystem Class II

Average Day Demand: 122.22 MLD
Peak Day Demand: 155.72 MLD (June 22, 2014)
Population Served: 370,000 (est.)
Source Water: Surface Water (Lake Huron, Lake Erie)
Drinking Water System Number: 260004917
Municipal Drinking Water Licence: 006-101

***CONTACT INFO:***
Owner:
Corporation of the City of London
300 Dufferin Avenue, London, Ontario N6A 4L9
Contact: Mr. John Simon, P.Eng. Division Manager Water Operations
519-661-2500 ext. 4938

London
CANADA

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## Reporting Requirements

Schedule 22-2 of O. Reg. 170/03 requires that the City of London prepare a Summary Report for its water works system for the preceding calendar year and submit it to the members of the Municipal Council by March 31 of each year. This report, presented to Municipal Council's Civic Works Committee on February 3, 2015 serves to fulfill that requirement.

On February 27, 2015, a copy of the 2014 Annual Report and Summary Report for the City of London's water works will be submitted to the local office of the Ministry of the Environment and Climate Change (MOECC) as a courtesy for information purposes.

The Elgin-Middlesex Pumping Station (EMPS - owned in part by the City of St. Thomas, the Town of Aylmer, and the City of London) was operated by the Ontario Clean Water Agency (OCWA) between January 1, 2014 and December 31, 2014. The Annual Report for the EMPS (London portion) was not yet available at the time of writing this report, and therefore will be provided to members of Council under separate memo prior to the reporting deadline of February 28.

## Ministry of the Environment and Climate Change Annual Inspection (MOECC)

MOECC inspections can be in the form of comprehensive inspections, or focused inspections. The MOECC reported that London's Water Distribution System was chosen for a focused inspection in 2014 because:

*"…inspection findings over the past three years were such that the number of violations were minimal or non-existent, there were few or no orders issued to you that were of significance in the maintenance of water potability and there were no deficiencies as defined in O. Reg. 172/03."*

This year's MOECC inspection included staff interviews and facility inspections, as well as a review of operating procedures, water analysis reports, operational records, and staff certification and training records. The inspection covered all components of London's water system, including the London portion of the Elgin-Middlesex Pumping Station, which is operated by the Ontario Clean Water Agency under contract to the City of London.

On December 10, 2014, the MOECC issued the City of London Water Distribution System Inspection Report. The report summarizes all of the inspection findings, and lists any incidents of non-compliance with regulatory requirements. The City of London received a Final Inspection Rating of 98.98% for 2014.

A report on this MOECC Inspection is being made to the Civic Works Committee on February 3, 2015.

## Water Operations Staff Complement and Training

In 2014, the distribution system was operated and maintained by four (4) Water Supply staff, thirty-one (31) Operations and Maintenance staff, three (3) Water Works Inspectors, nine (9) Meter Shop staff, five (5) Supervisors, two (2) Technologists, two (2) Administrative staff, and four (4) Management staff. This complement does not include senior administrative staff that work in the Water Service Area. The majority of the City of London's operational and maintenance staff are based at the A.J. Tyler Operations Centre, located at 663 Bathurst Street. Water Supply staff are based out of the London Hydro building at 111 Horton Street.

All employees with Drinking Water Operator Certificates receive a minimum of 14 hours of Director-approved training and an additional 36 hours of practical, on-the-job training each year, as mandated by Regulation.

## Water Budget

Water rate increases have been 8% (2013), 8% (2014), and 7% (2015). These increases position the Water Service Area to reach financial sustainability by 2016, 2 years earlier than previously anticipated. The target for future rate increases is inflation, assumed to be 3%.

The total Water budget for 2014 was $69.6 million, which includes long term infrastructure renewal and replacement plans. The Water Budget helps maintain *London's Advantage* of a safe, clean and secure water supply. The Water Service Area remains proactive in initiatives to ensure that this service continues to meet the demands and expectations of customers. Existing infrastructure requires significant renewal (replacement and rehabilitation) work to close the infrastructure gap ensuring future generations and businesses are not faced with a water system that is failing, unreliable, and expensive to maintain.

For information regarding the 2015 Water Budget, please refer to the 2015 Water Service Area Business Plan and 2015 budget.

## Emerging Trends in Water Treatment & Regulations

***Water Treatment:*** The City of London purchases its treated drinking water from the Joint Boards of Management (Lake Huron and Elgin Area Primary Water Supply Systems). The Joint Boards of Management, through the Regional Water Supply Division, stay abreast of emerging trends in water treatment and monitor upcoming Regulations. Current areas of interest include Microbiological (E. coli and Total Coliform), Disinfection By-Products (Trihalomethane -THM, Haloacetic Acids – HAA), Lead and Copper, and Emerging Pathogens and Chemicals).

Currently, there are no water quality concerns requiring process modification at the Regional Water Supply treatment facilities. The area of emerging contaminants including pharmaceuticals and personal care products (PPCP's) and endocrine disruptors (EDC's)

will be the focus of much research in the coming decades. At this time, there is no evidence to suggest that the Joint Board of Management should conduct further investigations into the implementation of advanced or enhanced treatment processes at either the Lake Huron or Elgin Area Treatment Plants.

For further information on emerging trends in water treatment and Regulations, refer to the Lake Huron and Elgin Area Water Supply Systems Master Plans, which can be found at http://www.watersupply.london.ca/reports.html .

***Standard of Care Provision in Ontario's Safe Drinking Water Act, 2002:*** On December 31, 2012, Section 19 of the *Safe Drinking Water Act, 2002* came into force. It imposed a statutory standard of care on the "owner of a municipal drinking water system, and every person who, on behalf of the municipality, oversees the accredited operating authority of the system or exercises decision-making authority over the system". This standard of care requires that such persons: (a) exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation; and, (b) act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the municipal drinking water system.

Actions that can be taken to satisfy the standard of care requirement include: obtaining and following proper expert advice, and ensuring that the water system is operated by an accredited operating authority. As has been previously reported to Council, the City of London Water Operations and Water Engineering Divisions have been recognized as an accredited operating authority for the City of London Water System.

For more information regarding the Standard of Care provision, a full report was presented to Civic Works Committee on October 22, 2012. Standard of Care training for Councillors and managers was made available in early 2015.

***Proposed Changes to O. Reg. 169/03:*** Ontario has established a comprehensive safety net for drinking water that starts at the source and continues until you turn on your tap. This multi-barrier approach includes an extensive network of safeguards to help prevent contamination, detect and solve water quality problems, enforce laws and regulations, and increase people's awareness of the importance of safe and high quality drinking water. The safety net for drinking water includes strong legislation, stringent standards, regular and reliable testing, highly trained operators, regular inspections, and the most comprehensive source protection program in the country, all working together to protect the safety of our drinking water.

The MOECC is proposing new regulatory amendments to Schedule 2 of Ontario Regulation 169/03 to adopt new Ontario Drinking Water Quality Standards for chlorate, chlorite, 2-methyl-4-chlorophenoxyacetic acid (MCPA), and haloacetic acids (HAAs), and to revise the existing Ontario Drinking Water Quality Standards for arsenic, benzene, carbon tetrachloride, and vinyl chloride.

The proposal includes four new Ontario Drinking Water Quality Standards based on new federal guidelines, as well as revisions to four existing standards. These changes are consistent with the purpose of Ontario's Drinking Water safety net and would ensure Ontario's drinking water quality standards are either in keeping with the national drinking water quality guidelines or are more stringent.

The proposal includes revising the current Ontario Drinking Water Quality Standard for Maximum Allowable Concentration (MAC) for:

- Arsenic from 0.025 mg/L to a more stringent value of 0.010 mg/L;
- Carbon tetrachloride from 0.005 mg/L to a more stringent value of 0.002 mg/;
- Benzene from 0.005 mg/L to a more stringent value of 0.001 mg/L;
- Vinyl Chloride from 0.002 mg/L to a more stringent value of 0.001 mg/L;

For London, these parameters, when sampled return results far less than the proposed levels. London's drinking water measures at, or very near, to the detectable limit capabilities of the Ministry certified laboratory equipment.

Adopting new Ontario Drinking Water Quality Standards for:

- Chlorite of 1 mg/L;
- Chlorate of 1 mg/L;
    - London has never tested for Chlorite or Chlorate. There is no reason to suspect that they would be present in any significant quantity in London's drinking water because these compounds are by-products of drinking water disinfection with chlorine dioxide, which isn't used by the Regional Water System or London.
- 2-Methyl-4-chlorophenoxyacetic acid (MCPA) of 0.1 mg/L;
    - MCPA is a common herbicide in the agricultural sector. London always has non-detects for the pesticides and herbicides that are already tested for – no reason to expect anything different for MCPA;
- Haloacetic acids of 0.080 mg/L (as an annual average of quarterly samples);
    - HAA's, like THM's, are a by-product of drinking water disinfection with chlorine. Quarterly sampling for THM's is already undertaken, sampling for HAA's will be at the same time.

The additional sampling for Chlorite, Chlorate, MCPA and HAAs will cost the London approximately $1,000 per year. It is not anticipated that these new and revised standards will have a significant impact on London's Water Service Area.

***Algal Blooms in the Great Lakes:*** Algal blooms usually occur in the late summer and early fall. A bloom is a large mass of algae that is formed as a result of a number of ecosystem changes. These changes are brought about by an elevated presence of nutrients, invasive species such as quagga mussels, or light and temperature conditions that are favourable for the algae to multiply quickly.

There is more than one variety of algae. When alive they provide food for a variety of fish. When algae blooms die, some of the varieties release odorous chemicals into the water that can affect the taste and/or smell of our drinking water. Others, such as some types of blue-green algae (cyanobacteria), release toxins that can cause health issues for humans and animals. As such, algae blooms have the potential to negatively impact drinking water quality, recreational activities, tourism, commercial fisheries and lakeshore property values.

The MOECC has a protocol in place for responding to occurrences of blue-green algal blooms in Ontario lakes. Ministry staff work closely with the local Medical Officers of Health to ensure that timely, appropriate action is taken. Local Medical Officers of Health are responsible for managing public health concerns with respect to blue-green algal blooms, and communicate with consumers and drinking water system owners within their area.

A survey conducted by Ministry staff for cyanobacterial toxins at 18 drinking water

facilities from 2004 to 2010, suggests that water treatment plants have been effective at removing or inactivating these toxins in drinking water.

The recurrence of algal blooms in certain areas of the Great Lakes, such as Lake Erie, has prompted discussions with the International Joint Commission, federal, state and other Provincial governments as well as non-government bodies to improve the ecological conditions of our Great Lakes.

***OnWARN: Ontario Water/Wastewater Agency Response Network:*** This initiative, based upon the principle of "*Utilities helping Utilities*", has gained momentum throughout the water utility sector in Ontario, Canada and the United States, as a means of providing voluntary mutual-aid to similar utilities within a region. The OnWARN program establishes a legal framework whereby any subscribing utility can call upon the assistance of other subscribing utilities, with the response being provided within the context of a blanket "mutual aid" type of agreement. The blanket agreement covers all aspects of legal liability, availability of response and the provision of services, and health and safety requirements, to name a few.

Participation in the OnWARN program does not specifically require a subscribing municipality to respond to any and all calls for assistance, nor does it obligate a subscribing municipality to call upon all subscribers for assistance in the event of an emergency. It also does not require a municipality to formally declare a state of emergency, only that the water or wastewater related circumstance is beyond the capabilities of the municipality.

Recognizing the significant benefit of joining OnWARN and improving emergency preparedness for the City's water and wastewater services, the City of London received its membership certificate on September 11, 2013. More information can be found from the February 25, 2013 Civic Works Committee Report (Item #14).

## Sampling & Water Quality Monitoring

During 2014, the MOECC required large municipal drinking water systems to sample their water for 70 different organic, inorganic and chemical parameters. The City of London's water sampling regime consists of staff taking monthly samples from 57 standard locations across the City, testing for microbiological indicators and chlorine residuals. In addition, analysis is performed for up to 122 parameters, including organics, inorganics, chemicals, pesticides and metals at 13 standard locations around the City. This far exceeds the MOECC's minimum sampling requirements. 9,254 routine grab samples were taken from the distribution system, 736 samples taken from the stand-by wells, as well as nearly 2,800 chlorine residual tests conducted by London staff. London also has 10 locations throughout the City where continuous in-line sampling of chlorine residual is monitored. Staff also perform approximately 4,000 chlorine tests (on the Distribution System and for Construction Projects and Bacteriological sampling upon repairs undertaken) each year that are not included in the above numbers. All of these efforts help ensure that the water within the distribution system is always of high quality.

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) | Units | Measured Concentrations | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| | | 2014 | | 2014 | | |
| **REGULATED INORGANICS** | | | | | | |
| Antimony | 6 | 0.003 | mg/L | **0.003 <MDL** | No | 0.003 - 1.200 |
| Arsenic | 25 | 1 | µg/L | **1.000 - 1.000** | No | 0.001 - 2.000 |
| Barium | 1000 | 0.05 | µg/L | **13.600 - 20.400** | No | 0.015 - 25.000 |
| Boron | 5000 | 1 | µg/L | **16.000 - 19.000** | No | 0.020 - 40.000 |
| Cadmium | 5 | 0.2 | µg/L | **0.200 <MDL** | No | 0.002 - 0.200 |
| Chromium | 50 | 0.5 | µg/L | **2.000 - 2.000** | No | 0.004 - 3.000 |
| Fluoride | 1.5 | 0.06 | mg/L | **0.000 - 0.840** | No | 0.030 - 1.390 |
| Free Chlorine Residual | -- | -- | mg/L | **0.080 - 1.800** | No | 0.000 - 2.200 |
| Lead | 10 | 0.02 | µg/L | **0.500 - 0.690** | No | 0.002 - 1.070 |
| Mercury | 1 | 0.02 | µg/L | **0.020 <MDL** | No | 0.020 - 0.100 |
| Selenium | 10 | 1 | µg/L | **1.000 <MDL** | No | 0.005 - 3.000 |
| Sodium[3] | 20 | 0.01 | mg/L | **8.550 - 14.200** | No | 1.000 - 20.300 |
| Uranium | 20 | 0.001 | µg/L | **0.500 - 0.500** | No | 0.001 - 9.700 |

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) | Units | Measured Concentrations | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| | | 2014 | | 2014 | | |
| **REGULATED ORGANICS** | | | | | | |
| Alachlor | 5 | 0.500 | µg/L | **0.500 <MDL** | No | 0.002 - 0.500 |
| Aldicarb | 9 | 2.000 | µg/L | **2.000 <MDL** | No | 0.005 - 5.000 |
| Aldrin + Dieldrin | 0.7 | 0.070 | µg/L | **0.070 <MDL** | No | 0.000 - 0.070 |
| (Aldrin) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.060 |
| (Dieldrin) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.001 - 0.067 |
| Atrazine | -- | 0.020 | µg/L | **N/A - N/A** | N/A | 0.020 - 0.130 |
| Atrazine + N-dealkylated metabolites | 5 | 1.000 | µg/L | **1.000 <MDL** | No | 0.003 - 1.000 |
| Azinphos-methyl | 20 | 2.000 | µg/L | **2.000 <MDL** | No | 0.010 - 2.000 |
| Bendiocarb | 40 | 2.000 | µg/L | **2.000 <MDL** | No | 0.010 - 3.000 |
| Benzene | 5 | 0.200 | µg/L | **0.200 <MDL** | No | 0.005 - 0.500 |
| Benzo(a)pyrene | 0.01 | 0.010 | µg/L | **0.010 <MDL** | No | 0.000 - 0.010 |
| Bromoxynil | 5 | 0.500 | µg/L | **0.500 <MDL** | No | 0.003 - 0.500 |
| Carbaryl | 90 | 5.000 | µg/L | **5.000 <MDL** | No | 0.010 - 5.000 |
| Carbofuran | 90 | 5.000 | µg/L | **5.000 <MDL** | No | 0.005 - 5.000 |
| Carbon tetrachloride | 5 | 0.200 | µg/L | **0.200 <MDL** | No | 0.005 - 0.410 |
| Chlordane (Total) | 7 | 0.700 | µg/L | **0.700 <MDL** | No | 0.000 - 0.700 |
| (a-chlordane) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.007 - 0.200 |
| (g-chlordane) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.007 - 0.200 |
| (oxychlordane) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.360 |
| Chlorpyrifos | 90 | 1.000 | µg/L | **1.000 <MDL** | No | 0.008 - 5.000 |
| Cyanazine | 10 | 1.000 | µg/L | **1.000 <MDL** | No | 0.008 - 1.000 |
| Diazinon | 20 | 1.000 | µg/L | **1.000 <MDL** | No | 0.002 - 2.000 |
| Dicamba | 120 | 1.000 | µg/L | **1.000 <MDL** | No | 0.050 - 10.000 |
| 1,2-Dichlorobenzene | 200 | 0.500 | µg/L | **0.500 <MDL** | No | 0.003 - 1.000 |
| 1,4-Dichlorobenzene | 5 | 0.500 | µg/L | **0.500 <MDL** | No | 0.001 - 0.500 |
| DDT + Metabolites | 30 | 3.000 | µg/L | **3.000 <MDL** | No | 0.005 - 3.000 |
| (op-DDT) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.500 |
| (pp-DDD) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.500 |
| (pp-DDE) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.500 |
| (pp-DDT) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.500 |
| 1,2-Dichloroethane | 5 | 0.200 | µg/L | **0.200 <MDL** | No | 0.005 - 0.430 |
| 1,1-Dichloroethylene | 14 | 0.100 | µg/L | **N/A - N/A** | N/A | 0.005 - 0.520 |
| Dichloromethane | 50 | 0.300 | µg/L | **0.300 <MDL** | No | 0.005 - 3.000 |
| 2,4-dichlorophenol | 900 | 0.500 | µg/L | **0.500 <MDL** | No | 0.000 - 0.500 |
| 2,4-D | 100 | 1.000 | µg/L | **1.000 - 5.000** | No | 0.044 - 5.000 |
| Diclofop-methyl | 9 | 0.900 | µg/L | **0.900 <MDL** | No | 0.005 - 0.900 |
| Dimethoate | 20 | 2.500 | µg/L | **2.500 <MDL** | No | 0.005 - 2.500 |
| Dinoseb | 10 | 1.000 | µg/L | **1.000 <MDL** | No | 0.005 - 1.000 |
| Diquat | 70 | 5.000 | µg/L | **5.000 <MDL** | No | 1.000 - 70.000 |
| Diuron | 150 | 10.000 | µg/L | **10.000 <MDL** | No | 0.030 - 10.000 |
| Glyphosate | 280 | 0.020 | µg/L | **0.020 <MDL** | No | 0.010 - 25.000 |
| Heptachlor + Heptachlor Epoxide | 3 | 0.300 | µg/L | **0.300 <MDL** | No | 0.001 - 0.300 |
| (heptachlor) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.300 |
| (heptachlor epoxide) | -- | 0.010 | µg/L | **N/A - N/A** | N/A | 0.010 - 0.300 |
| Lindane (Total) | 4 | 0.010 | µg/L | **0.400 <MDL** | No | 0.002 - 0.400 |
| Malathion | 190 | 5.000 | µg/L | **5.000 <MDL** | No | 0.020 - 5.000 |
| Methoxychlor | 900 | 90.000 | µg/L | **90.000 <MDL** | No | 0.010 - 90.000 |
| Metolachlor | 50 | 2.000 | µg/L | **2.000 <MDL** | No | 0.008 - 5.000 |
| Metribuzin | 80 | 2.000 | µg/L | **2.000 <MDL** | No | 0.020 - 5.000 |
| Monochlorobenzene | 80 | 0.200 | µg/L | **N/A - N/A** | N/A | 0.005 - 5.000 |
| Paraquat | 10 | 1 | µg/L | **1.000 <MDL** | No | 0.010 - 9.000 |
| Parathion | 50 | 1.000 | µg/L | **1.000 <MDL** | No | 0.020 - 3.000 |
| Pentachlorophenol | 60 | 0.500 | µg/L | **0.500 <MDL** | No | 0.001 - 1.000 |

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) 2014 | Units | Measured Concentrations 2014 | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| **REGULATED ORGANICS CONTINUED** | | | | | | |
| Phorate | 2 | 0.500 | µg/L | **0.500 <MDL** | No | 0.001 - 0.730 |
| Picloram | 190 | 5.000 | µg/L | **5.000 <MDL** | No | 0.043 - 5.000 |
| Polychlorinated Biphenyls (PCBs) | 3 | 0.200 | µg/L | **0.200 <MDL** | No | 0.001 - 0.200 |
| Prometryne | 1 | 0.250 | µg/L | **0.250 <MDL** | No | 0.001 - 0.250 |
| Simazine | 10 | 1.000 | µg/L | **1.000 <MDL** | No | 0.005 - 1.000 |
| Temephos | 280 | 10.000 | µg/L | **10.000 <MDL** | No | 0.010 - 15.000 |
| Terbufos | 1 | 0.500 | µg/L | **0.500 <MDL** | No | 0.001 - 0.730 |
| Tetrachloroethylene | 30 | 0.200 | µg/L | **N/A - N/A** | N/A | 0.005 - 1.000 |
| 2,3,4,6-tetrachlorophenol | 100 | 0.500 | µg/L | **0.500 <MDL** | No | 0.001 - 0.500 |
| Triallate | 230 | 1.000 | µg/L | **1.000 <MDL** | No | 0.010 - 10.000 |
| Trichloroethylene | 5.000 | 0.200 | µg/L | **0.200 <MDL** | No | 0.005 - 1.000 |
| 2,4,6-trichlorophenol | 5 | 0.500 | µg/L | **0.500 <MDL** | No | 0.001 - 0.890 |
| 2,4,5-T | 280 | 1.000 | µg/L | **1.000 <MDL** | No | 0.005 - 10.000 |
| Trifluralin | 45 | 2.000 | µg/L | **2.000 <MDL** | No | 0.020 - 2.000 |
| Vinyl Chloride | 2 | 0.200 | µg/L | **0.200 <MDL** | No | 0.002 - 0.200 |

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) 2014 | Units | Measured Concentrations 2014 | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| **NITRATES** | | | | | | |
| Nitrate (as nitrogen) | 10 | 0.013 | mg/L | **0.142 - 0.495** | No | 0.005 - 1.700 |
| Nitrate + Nitrite (as nitrogen) | 10 | 0.013 | mg/L | **0.142 - 0.495** | No | 0.005 - 1.700 |
| Nitrite (as nitrogen) | 1 | 0.003 | mg/L | **0.003 - 0.100** | No | 0.003 - 0.129 |

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) 2014 | Units | Measured Concentrations 2014 | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| **TRIHALOMETHANES** | | | | | | |
| Trihalomethanes (total) | 100 | 0.37 | µg/L | **0.500 - 58.000** | No | 0.010 - 58.000 |
| Bromoform | -- | 0.100 | µg/L | **0.300 - 0.340** | No | 0.002 - 2.000 |
| Chloroform | -- | 0.200 | µg/L | **0.200 - 37.000** | No | 0.002 - 39.000 |
| Dibromochloromethane | -- | 0.200 | µg/L | **0.200 - 6.500** | No | 0.002 - 6.500 |
| Bromodichloromethane | -- | 0.200 | µg/L | **0.200 - 13.000** | No | 0.002 - 13.000 |

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) 2014 | Units | Measured Concentrations 2014 | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| **MICROBIOLOGICAL** | | | | | | |
| E. Coli | 0 | 0 | CFU/100mL | **0 - 1** | Yes | 0 - 1 |
| Total Coliform | 0 | 0 | CFU/100mL | **0 - 11** | Yes | 0 - 41 |
| Heterotrophic Plate Count | -- | 10 | cfu/1mL | **0 - 1480** | No | 10 - 2000 |

| Parameter | ODWS[1] Maximum Acceptable Concentration (MAC) | Lab's Method Detection Limit (MDL) 2014 | Units | Measured Concentrations 2014 | MAC Exceedence in 2014 (Y/N) | Historical Measured Concentration Range[2] |
|---|---|---|---|---|---|---|
| **NON-REGULATED INORGANICS/ORGANICS[4]** | | | | | | |
| Alkalinity | -- | 5.000 | mg/L | **75.0 - 93.0** | No | 61 - 103 |
| Aluminum | -- | 0.004 | mg/L | **0.019 - 0.026** | No | 0.019 - 436.0 |
| Ammonia+Ammonium (N) | -- | 0.020 | mg/L | **0.020 <MDL** | No | 0.010 - 0.400 |
| 4-Bromofluorobenzene | -- | N/A | N/A | **106.00 - 112.00** | No | 106.00 - 112.00 |
| Calcium | -- | 0.050 | mg/L | **27.500 - 33.600** | No | 25.600 - 38.000 |
| Chloride | -- | 0.200 | mg/L | **9.270 - 17.800** | No | 7.200 - 36.100 |
| Chlorobenzene | 80 | | µg/L | **0.100 - <MDL** | No | 0.100 - 0.100 |
| Chrysene-d12 | -- | -- | % | **64.0 - 72.0** | No | 64.0 - 72.0 |
| Cobalt | -- | 0.001 | mg/L | **0.001 - <MDL** | No | 0.001 - 0.300 |
| Colour | -- | 5.000 | TCU | **5.000 <MDL** | No | 3.000 - 5.000 |
| Conductivity | -- | 2.000 | uS/cm | **241.00 - 302.00** | No | 205.00 - 341.00 |
| Copper | -- | 0.003 | mg/L | **0.002 - 0.004** | No | 0.002 - 64.000 |
| Cyanide | 0 | 0.002 | mg/L | **0.002 <MDL** | No | 0.002 - 0.010 |
| DCAA (Herbicide Surrogate) | -- | -- | % | **58.00 - 120.00** | No | 58.000 - 120.00 |
| Decachlorobiphenyl (OC Pesticide Surrogate) | -- | -- | % | **100.00 - 122.00** | No | 100.00 - 122.00 |
| 1,1 Dichloroethene | 14 | 0.200 | µg/L | **0.200 <MDL** | No | 0.200 - 0.200 |
| De-ethylated atrazine | -- | 1.000 | µg/L | **1 <MDL** | No | 0.010 - 1.0 |
| Dissolved Organic Carbon | -- | 0.500 | mg/L | **1.300 - 2.300** | No | 0.400 - 2.300 |
| Ethylbenzene | -- | 0.100 | µg/L | **0.100 <MDL** | No | 0.002 - 1.000 |
| Field pH | -- | -- | pH units | **0.100 <MDL** | No | 0.100 - 8.330 |
| field temp | -- | -- | deg celcius | **N/A - N/A** | N/A | 5.200 - 22.500 |
| Gross Alpha | -- | 0.100 | Bq/l | **N/A - N/A** | N/A | 0.100 - 0.1 |
| Gross Beta | -- | 0.100 | Bq/l | **N/A - N/A** | N/A | 0.10 - 0.1 |
| Hardness | -- | 10.000 | mg/L | **101.00 - 118.00** | No | 95.000 - 133.00 |
| Iron | -- | 0.010 | mg/L | **0.005 - 0.010** | No | 0.005 - 90.000 |
| Langolier's Index | -- | N/A | N/A | **-0.110 - 0.090** | No | -1.070 - 0.090 |
| m/ p-xylene | -- | 0.200 | µg/L | **0.200 <MDL** | No | 0.200 - 5.000 |
| Magnesium | -- | 0.050 | mg/L | **7.790 - 8.380** | No | 7.150 - 9.400 |
| Manganese | -- | 0.002 | mg/L | **0.002 <MDL** | No | 0.001 - 168.0 |
| Nickel | -- | 0.00300 | mg/L | **0.003 <MDL** | No | 0.003 - 1400.0 |
| Nitrogen-Kjeldahl (N) | -- | 0.1 | mg/L | **0.1 - 0.4** | No | 0.050 - 0.5 |
| Organic Nitrogen | -- | 0.100 | mg/L | **0.110 - 0.400** | No | 0.040 - 0.400 |
| o-xylene | -- | 0.200 | µg/L | **0.200 <MDL** | No | 0.170 - 5.000 |
| pH | -- | -- | pH units | **7.68 - 7.98** | No | 7.05 - 8.07 |
| Potassium | -- | 0.050 | mg/L | **1.040 - 1.470** | No | 0.800 - 1.910 |
| Silica | -- | 0.050 | mg/L | **0.520 - 1.130** | No | 0.520 - 2100.0 |
| Silver | -- | 0.002 | mg/L | **0.002 <MDL** | No | 0.000 - 0.100 |
| Solids (Total Dissolved) | -- | 20.000 | mg/L | **140.00 - 168.00** | No | 1.460 - 208.00 |
| Sulphate | -- | 0.200 | mg/L | **28.800 - 33.000** | No | 27.000 - 55.00 |
| Sulphide | -- | 0.050 | mg/L | **0.05 - <MDL** | No | 0.004 - 4000.0 |
| Surr 1,2-Dichloroethane-d4 | -- | -- | mg/L | **N/A - N/A** | N/A | 104.00 - 105.00 |
| Surr 4-Bromofluorobenzene | -- | -- | Surr Rec % | **N/A - N/A** | N/A | 97 - 99 |
| Surr Decachlorobiphenyl | -- | -- | % | **N/A - N/A** | N/A | 94.000 - 95.000 |
| TCMX (OC Pesticide Surrogate) | -- | -- | % | **102.00 - 105.00** | No | 102.00 - 105.00 |
| Tetrachloroethene | 30 | 0.200 | µg/L | **0.200 <MDL** | No | 0.200 - 0.2 |
| Toluene | -- | 0.200 | µg/L | **0.200 <MDL** | No | 0.005 1.0 |
| Total Chlorine | -- | 0.550 | mg/L | **N/A N/A** | N/A | 0.690 1.8 |
| Total Phosphorus | -- | 0.050 | mg/L | **0.050 <MDL** | No | 0.010 0.1 |
| Toxaphene | -- | 5.000 | µg/L | **N/A N/A** | N/A | 0.010 5.0 |
| 2,4,5-TP (Silvex) | -- | 1.000 | µg/L | **1.000 <MDL** | No | 0.010 5.0 |
| Tritium | 7000 | 15.000 | Bq/l | **N/A N/A** | N/A | 15.000 1000.0 |
| Turbidity | 1 | 0.130 | NTU | **0.000 <MDL** | No | 0.030 0.5 |
| Xylene; total | 300 | 0.100 | µg/L | **0.100 <MDL** | No | 0.005 5.0 |
| Zinc | -- | 0.005 | mg/L | **0.005 0.013** | No | 0.005 100.0 |

There were nine (9) adverse microbiological results out of 2,757 samples taken; Eight (8) due to unacceptable levels of Total Coliform bacteria (ranging from 1 to 6 cfu/100 mL). One was due to unacceptable levels of E. coli (1 cfu/100 mL) and Total Coliforms (11 cfu/100 mL). The site with the unacceptable E. coli sample was a service stub connected to a backflow preventer which had not yet been put in service. In each case, standard response procedures were enacted. All sites were re-sampled immediately, and the re-sample results revealed no adverse indicators.

It is highly unlikely that there were 'actual' water quality issues at these sites, as the nine adverse samples were identified as having free chlorine residuals which were well above the minimum acceptable level at the time of the sampling (ranging between 0.08 to 0.88 mg/L). E. coli and Coliform bacteria cannot survive in chlorinated water; therefore, it is suspected that post-sampling contamination occurred. The re-sampling results support this conclusion. The microbiological testing procedure is extremely sensitive. Accidental sample contamination can occur through operator or laboratory error, despite the specific procedures and precautions being adhered to while processing samples.

## System Statistics and Major Events

During the period from January 1, 2014 through to December 31, 2014 a total of 44,944,353,000 litres of water were purchased, at a cost of nearly $20,500,000, from the Joint Water Boards and subsequently pumped into London via the Arva Pumping Station and EMPS. Average day demand was 122,217,860 litres. Peak day pumpage of 155,715,000 litres occurred on June 22, 2014.

A summary of system pumpage can be found in Appendix 'B'. The data includes monthly average and maximum daily flows. These values are also compared to the rated flow rate capacities identified in London's Municipal Drinking Water Licence. There were no occurrences of flow rate exceedance during the specified time period.

Listed below are some 2014 statistics for the City of London Distribution System.

| | |
|---|---|
| **Approximate Replacement Value of Drinking Water System** | **$2,600,000,000** |
| **Number of Pumping Stations** | **7** |
| **Number of Fire Hydrants** | **9,167** |
| **Number of Watermain Valves** | **12,761** |
| **Total Number of Water Services** | **113,627** |
| **Length of Watermain** | **1,565 km** |
| **Number of Watermain Breaks** | **164** |

## Municipalities Receiving London Water

In the Municipality of Middlesex Centre, the village of Arva, Ballymote, and Delaware continued to receive their drinking water under contract from the City of London during 2014. The Municipality of Middlesex Centre has been provided a copy of the Annual Report as per O. Reg 170/03.

Several residences within Central Elgin also continued to receive drinking water from the transmission watermain that supplies the City of London from the EMPS. For this reason, Central Elgin has also been provided a copy of the report.

# Appendix ‘A’
# 2014 Annual Report
# (London)

| | |
|---|---|
| Drinking-Water System Number: | **260004917** |
| Municipal Drinking-Water Licence: | **006-101** |
| Drinking-Water System Name: | **London Water Supply** |
| Drinking-Water System Owner: | **The Corporation of the City of London** |
| Drinking-Water System Category: | **Large Municipal Residential System** |
| Period being reported: | **January 1, 2014 to December 31, 2014** |

***Complete if your Category is Large Municipal Residential or Small Municipal Residential***

**Does your Drinking-Water System serve more than 10,000 people? Yes [✓] No [ ]**

**Is your annual report available to the public at no charge on a web site on the Internet? Yes [✓] No [ ]**

**Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.**

City of London – City Hall
Customer Service Division – 8th Floor
(Public Service Information Area)
300 Dufferin Avenue, London, ON

***Complete for all other Categories.***

**Number of Designated Facilities served:**
**N/A**

**Did you provide a copy of your annual report to all Designated Facilities you serve?**
**N/A**

**Number of Interested Authorities you report to:**
**N/A**

**Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?**
**Yes [ ] No [ ]**

**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

**List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:**

| Drinking Water System Name | Drinking Water System Number |
|---|---|
| Middlesex Centre Distribution System | 260004202 |
| Includes: Arva Waterworks | 260004202 |
| Ballymote Waterworks | 260004202 |
| Delaware Distribution System | 260063323 |

**Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?**
**Yes [✓] No [ ]**

**Indicate how you notified system users that your annual report is available, and is free of charge.**

**[✓] Public access/notice via the web**
**[✓] Public access/notice via Government Office**
**[ ] Public access/notice via a newspaper**
**[ ] Public access/notice via Public Request**
**[ ] Public access/notice via a Public Library**
**[✓] Public access/notice via other method _EnviroWorks Pamphlet__**

**Describe your Drinking-Water System**

There are two water supplies in the City of London: primary sources of surface water and emergency back-up sources of well water in stand-by mode.

1. Primary Treated Water Sources (surface water)
   - Lake Huron Primary Water Supply System (LHPWSS)
   - Elgin Area Primary Water Supply System (EAPWSS)

2. Stand-by Emergency Wells
   - Fanshawe Well Field (6 Wells) – GUDI with in-situ filtration
   - Hyde Park Well – Not GUDI

During 2014 the London-Elgin-Middlesex Booster Station was operated by a designated Operating Authority that being, Ontario Clean Water Agency. The annual report for the London-Elgin-Middlesex Booster Station was not available at the time this report was created and therefore, it will be provided under separate cover.

**List all water treatment chemicals used over this reporting period**

- Liquid Chlorine
- Sodium Hypochlorite
- Fluorosilicic Acid (hydrofluorosilicic acid)

**Were any significant expenses incurred to?**

[ ] Install required equipment
[ ] Repair required equipment
[ ] Replace required equipment

**Please provide a brief description and a breakdown of monetary expenses incurred**

2014 saw a greater number of watermain breaks and subsequent repairs to the extreme severity of the winter. Main breaks were about 30% more frequent than average.

There were no major pieces of equipment that needed repair or replacement, and nothing new was installed. 2014 was a standard year in which normal equipment and infrastructure renewal/repair was undertaken through life cycle efforts.

**Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre.**

**Bacteriological Adverse**

| | | | | Parameters | | | |
|---|---|---|---|---|---|---|---|
| Adverse Incident Date | Corrective Action | Corrective Action Date | Adverse Water Quality Indicator # (AWQI #) | E.Coli (cfu/100ml) | Total Coliform (cfu/100ml) | HPC / Background (cfu/1ml) | Free Cl2 (mg/L) |
| 2014-01-20 [1] | | | 115811 | 0 | 1 | 1 | 0.73 |
| | Resample | 2014-01-21 | | 0 | 0 | 0 | 0.07 |
| | | | | | | | |
| 2014-02-19 [2] | | | 116108 | 0 | 3 | 0 | 0.88 |
| | Resample | 2014-02-21 | | 0 | 0 | 0 | 1.04 |
| | | | | | | | |
| 2014-05-14 [3] | | | 117485 | 0 | 1 | 0 | 0.45 |
| | Resample | 2014-05-16 | | 0 | 0 | 0 | 0.49 |
| | | | | | | | |
| 2014-06-16 [4] | | | 118068 | 0 | 3 | 3 | 0.40 |
| | Resample | 2014-06-17 | | 0 | 0 | 0 | 0.70 |
| | | | | | | | |
| 2014-06-23 [5] | | | 118224 | 1 | 11 | 8 | 0.85 |
| | Resample | 2014-06-24 | | 0 | 0 | 36 | 0.52 |
| | Resample | 2014-06-25 | | 0 | 0 | 0 | 0.70 |
| | Resample | 2014-06-25 | | 0 | 0 | 0 | 0.67 |
| | | | | | | | |
| 2014-08-22 [6] | | | 119784 | 0 | 5 | 0 | 0.75 |
| | Resample | 2014-08-24 | | 0 | 0 | 185 | 0.76 |
| | | | | | | | |
| 2014-08-24 [7] | | | 119813 | NDOGN | NDOGN | NDOGN | 0.53 |
| | Resample | 2014-08-26 | | 0 | 0 | 0 | 0.79 |
| | | | | | | | |
| 2014-09-10 [8] | | | 120303 | 0 | 6 | 65 | 0.28 |
| | Resample | 2014-09-12 | | 0 | 0 | 0 | 0.39 |
| | | | | | | | |
| 2014-10-06 [9] | | | 120834 | 0 | 3 | 1480 | 0.08 |
| | Resample | 2014-10-07 | | 0 | 0 | 0 | 0.50 |

**Notes:**

[1]Fire hydrant located at Halls Mills Road: Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.73 mg/L for the original sample is indicative of a false positive.

[2]1360 Oxford Street West (St. Thomas Aquinas S.S. - Citywide Sampling location): Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.88 mg/L for the original sample is indicative of a false positive.

[3]6518 Bradish Road): Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.45 mg/L for the original sample is indicative of a false positive.

[4]Intersection of Queens Avenue and Clarence Street (Fire Hydrant): Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.40 mg/L for the original sample is indicative of a false positive.
[5]1244 Trafalgar Street (Service Stub): Adverse Result: Total Coliform > 0; E. Coli > 0
Corrective Action: The original site was immediately re-sampled and since this sample was at a dead end no downstream sample was taken, just upstream. A second resample was taken 24 hours later. No consumers were supplied by this service stub at the time of the original sample and resamples. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.85 mg/L for the original sample is indicative of a false positive.
[6]603 Wonderland Road (Westmount P.S.): Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.75 mg/L for the original sample is indicative of a false positive.
[7]11 Maitland Street (Fire Hydrant): Adverse Result: No Data Over Grown (NDOGN)
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.53 mg/L for the original sample is indicative of a false positive.
[8]Intersection of Adelaide Street and Thompson Road (Fire Hydrant): Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and samples were also taken at sites upstream and downstream from the original site. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.28 mg/L for the original sample is indicative of a false positive.
[9]Blow-off at easterly limits of Gore Road: Adverse Result: Total Coliform > 0
Corrective Action: The original site was immediately re-sampled and a sample was also taken upstream of the original site. The site is a blow-off at a dead end so no downstream sample was possible. There were no indicators of adverse water quality in any or the re-sample results. Free chlorine concentration of 0.08 mg/L for the original sample is indicative of a false positive.

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.**

| | # of E. Coli Samples Taken | Range of E. Coli (cfu/100mL) | # of Total Coliform Samples Taken | Range of Coliform (cfu/100mL) | # of HPC / Background Samples | Range of HPC (cfu/1mL) |
|---|---|---|---|---|---|---|
| **Raw** | 8 | 0 - 0 | 8 | 0 - 0 | 8 | 0 - 0 |
| **Treated** | N/A | N/A | N/A | N/A | N/A | N/A |
| **Distribution** | 2757 | 0 - 1 | 2757 | 0 - 11 | 2757 | 0 - 1480 |

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

| | # of Grab Samples | Continuous Monitoring | Range of Results |
|---|---|---|---|
| Lead | 10 | N/A | 0.50 - 0.69 ug/L |
| Alkalinity | 22 | N/A | 75 - 127 mg/L as $CaCO_3$ |
| | | | |
| Chlorine | 2801 | 87600 | 0.08 - 1.8 mg/L |
| Fluoride[1] | 105 | 7416 | 0.00 - .84 mg/L |

**NOTE**: For continuous monitors use 8760 as the number of samples.

**Notes:**
[1]Fluoride injection was offline at the Arva Pumping Station between October 20, 2014 and November 25, 2014.

**As outlined below, sampling was carried out in accordance with the requirements listed in the City of London's 2010 Drinking Water Licence for inorganic and organic parameters at the following sites: Fanshawe Wells (No. 1, 2, 3, 4, and 6) and Hyde Park Well.**

## SITE: Hyde Park Well - Raw

### a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 4/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 4/Jun/14 | 103.000 | µg/L | N |
| December 17, 2010 | Boron | 4/Jun/14 | 34.000 | µg/L | N |
| December 17, 2010 | Cadmium | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 4/Jun/14 | 0.240 | mg/L | N |
| December 17, 2010 | Mercury | 4/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Mar/14 | 2.5 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 4/Jun/14 | 2.46 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 24/Sep/14 | 2.94 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 2.86 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Mar/14 | 2.5 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 4/Jun/14 | 2.46 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 24/Sep/14 | 2.94 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 2.86 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 4/Jun/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 4/Jun/14 | 44.400 | mg/L | N |
| December 17, 2010 | Uranium | 4/Jun/14 | 0.600 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 4/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 4/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 4/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 4/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 4/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 4/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 4/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 4/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 4/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 4/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 4/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 4/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 4/Jun/14 | 0.250 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 4/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Vinyl Chloride | 4/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 4/Jun/14 | 266.000 | mg/L | N |
| December 17, 2010 | Aluminum | 4/Jun/14 | 0.004 | mg/L | N |
| December 17, 2010 | Ammonia as N | 4/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | 4-Bromofluorobenzene | 4/Jun/14 | 105.000 | %Recovery | N |
| December 17, 2010 | Calcium | 4/Jun/14 | 91.800 | mg/L | N |
| December 17, 2010 | Chloride | 4/Jun/14 | 87.800 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 4/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 4/Jun/14 | 61.000 | % | N |
| December 17, 2010 | Cobalt | 4/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 4/Jun/14 | 5.000 | TCU | N |
| December 17, 2010 | Copper | 4/Jun/14 | 0.042 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 4/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 4/Jun/14 | 108.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 4/Jun/14 | 101.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 4/Jun/14 | 0.800 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 4/Jun/14 | 1290.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 4/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Iron | 4/Jun/14 | 0.010 | mg/L | N |
| December 17, 2010 | Langelier Index | 4/Jun/14 | 0.530 | @20 C | N |
| December 17, 2010 | m & p-Xylene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 4/Jun/14 | 22.600 | mg/L | N |
| December 17, 2010 | Manganese | 4/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Nickel | 4/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 4/Jun/14 | 0.100 | mg/L | N |
| December 17, 2010 | o-xylene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 4/Jun/14 | 7.460 | pH Units | N |
| December 17, 2010 | Potassium | 4/Jun/14 | 1.700 | mg/L | N |
| December 17, 2010 | Reactive Silica | 4/Jun/14 | 12.600 | mg/L | N |
| December 17, 2010 | Silver | 4/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 4/Jun/14 | 44.800 | mg/L | N |
| December 17, 2010 | Sulphide | 4/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 4/Jun/14 | 119.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 4/Jun/14 | 114.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 4/Jun/14 | 496.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 4/Jun/14 | 322.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 4/Jun/14 | 0.100 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 4/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 4/Jun/14 | 0.050 | µg/L | N |
| December 17, 2010 | Total Xylenes | 4/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 4/Jun/14 | 0.030 | mg/L | N |

## SITE: Fanshawe Well #1 - Raw

### a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 6/Jun/14 | 34.600 | µg/L | N |
| December 17, 2010 | Boron | 6/Jun/14 | 66.000 | µg/L | N |
| December 17, 2010 | Cadmium | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 6/Jun/14 | 0.120 | mg/L | N |
| December 17, 2010 | Mercury | 6/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Mar/14 | 0.88 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jun/14 | 0.82 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 24/Sep/14 | 0.81 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.78 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Mar/14 | 0.88 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jun/14 | 0.82 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 24/Sep/14 | 0.81 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.78 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jun/14 | 0.1 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 6/Jun/14 | 20.800 | mg/L | N |
| December 17, 2010 | Uranium | 6/Jun/14 | 0.500 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 6/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 6/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 6/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 6/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 6/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 6/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 6/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 6/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 6/Jun/14 | 0.250 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Vinyl Chloride | 6/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 6/Jun/14 | 275.000 | mg/L | N |
| December 17, 2010 | Aluminum | 6/Jun/14 | 0.004 | mg/L | N |
| December 17, 2010 | Ammonia as N | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Azoxystrobin | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | 4-Bromofluorobenzene | 6/Jun/14 | 99.000 | %Recovery | N |
| December 17, 2010 | Calcium | 6/Jun/14 | 97.800 | mg/L | N |
| December 17, 2010 | Chloride | 6/Jun/14 | 47.800 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 6/Jun/14 | 68.000 | % | N |
| December 17, 2010 | Cobalt | 6/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 6/Jun/14 | 5.000 | TCU | N |
| December 17, 2010 | Copper | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 6/Jun/14 | 116.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogat | 6/Jun/14 | 78.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 6/Jun/14 | 1.100 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 6/Jun/14 | 729.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Fludioxonil | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | Iron | 6/Jun/14 | 0.010 | mg/L | N |
| December 17, 2010 | Langelier Index | 6/Jun/14 | 1.060 | @20 C | N |
| December 17, 2010 | m & p-Xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 6/Jun/14 | 21.400 | mg/L | N |
| December 17, 2010 | Manganese | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Nickel | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 6/Jun/14 | 0.390 | mg/L | N |
| December 17, 2010 | o-xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 6/Jun/14 | 7.960 | pH Units | N |
| December 17, 2010 | Potassium | 6/Jun/14 | 1.890 | mg/L | N |
| December 17, 2010 | Reactive Silica | 6/Jun/14 | 15.700 | mg/L | N |
| December 17, 2010 | Silver | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 6/Jun/14 | 47.200 | mg/L | N |
| December 17, 2010 | Sulphide | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 6/Jun/14 | 75.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 6/Jun/14 | 116.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 6/Jun/14 | 426.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 6/Jun/14 | 332.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 6/Jun/14 | 0.390 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 6/Jun/14 | 0.005 | mg/L | N |

## SITE: Fanshawe Well #2 - Raw

### a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 6/Jun/14 | 33.300 | µg/L | N |
| December 17, 2010 | Boron | 6/Jun/14 | 39.000 | µg/L | N |
| December 17, 2010 | Cadmium | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 6/Jun/14 | 0.150 | mg/L | N |
| December 17, 2010 | Mercury | 6/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Mar/14 | 0.2 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jun/14 | 0.22 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 24/Sep/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Mar/14 | 0.2 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jun/14 | 0.23 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 24/Sep/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jun/14 | 0.1 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 6/Jun/14 | 22.100 | mg/L | N |
| December 17, 2010 | Uranium | 6/Jun/14 | 0.600 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 6/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 6/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 6/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 6/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 6/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 6/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 6/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 6/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 6/Jun/14 | 0.250 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Vinyl Chloride | 6/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 6/Jun/14 | 250.000 | mg/L | N |
| December 17, 2010 | Aluminum | 6/Jun/14 | 0.004 | mg/L | N |
| December 17, 2010 | Ammonia as N | 6/Jun/14 | 0.560 | mg/L | N |
| December 17, 2010 | Azoxystrobin | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | 4-Bromofluorobenzene | 6/Jun/14 | 102.000 | %Recovery | N |
| December 17, 2010 | Calcium | 6/Jun/14 | 83.300 | mg/L | N |
| December 17, 2010 | Chloride | 6/Jun/14 | 55.700 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 6/Jun/14 | 86.000 | % | N |
| December 17, 2010 | Cobalt | 6/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 6/Jun/14 | 13.000 | TCU | N |
| December 17, 2010 | Copper | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 6/Jun/14 | 84.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 6/Jun/14 | 89.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 6/Jun/14 | 1.200 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 6/Jun/14 | 688.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Fludioxonil | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | Iron | 6/Jun/14 | 0.105 | mg/L | N |
| December 17, 2010 | Langelier Index | 6/Jun/14 | 0.870 | @20 C | N |
| December 17, 2010 | m & p-Xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 6/Jun/14 | 18.600 | mg/L | N |
| December 17, 2010 | Manganese | 6/Jun/14 | 0.084 | mg/L | N |
| December 17, 2010 | Nickel | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 6/Jun/14 | 0.100 | mg/L | N |
| December 17, 2010 | o-xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 6/Jun/14 | 7.880 | pH Units | N |
| December 17, 2010 | Potassium | 6/Jun/14 | 2.240 | mg/L | N |
| December 17, 2010 | Reactive Silica | 6/Jun/14 | 6.820 | mg/L | N |
| December 17, 2010 | Silver | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 6/Jun/14 | 32.500 | mg/L | N |
| December 17, 2010 | Sulphide | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 6/Jun/14 | 74.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 6/Jun/14 | 112.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 6/Jun/14 | 388.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 6/Jun/14 | 285.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 6/Jun/14 | 0.250 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 6/Jun/14 | 0.005 | mg/L | N |

## SITE: Fanshawe Well #3 - Raw

## a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 6/Jun/14 | 38.800 | µg/L | N |
| December 17, 2010 | Boron | 6/Jun/14 | 38.000 | µg/L | N |
| December 17, 2010 | Cadmium | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 6/Jun/14 | 0.130 | mg/L | N |
| December 17, 2010 | Mercury | 6/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jun/14 | 0.1 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Mar/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jun/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 24/Sep/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jun/14 | 0.1 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 6/Jun/14 | 18.000 | mg/L | N |
| December 17, 2010 | Uranium | 6/Jun/14 | 0.600 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 6/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 6/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 6/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 6/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 6/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 6/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 6/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 6/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 6/Jun/14 | 0.250 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Vinyl Chloride | 6/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 6/Jun/14 | 308.000 | mg/L | N |
| December 17, 2010 | Aluminum | 6/Jun/14 | 0.004 | mg/L | N |
| December 17, 2010 | Ammonia as N | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Azoxystrobin | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | 4-Bromofluorobenzene | 6/Jun/14 | 103.000 | %Recovery | N |
| December 17, 2010 | Calcium | 6/Jun/14 | 94.800 | mg/L | N |
| December 17, 2010 | Chloride | 6/Jun/14 | 38.900 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 6/Jun/14 | 86.000 | % | N |
| December 17, 2010 | Cobalt | 6/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 6/Jun/14 | 13.000 | TCU | N |
| December 17, 2010 | Copper | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 6/Jun/14 | 106.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 6/Jun/14 | 95.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 6/Jun/14 | 1.200 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 6/Jun/14 | 708.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Fludioxonil | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | Iron | 6/Jun/14 | 0.085 | mg/L | N |
| December 17, 2010 | Langelier Index | 6/Jun/14 | 0.990 | @20 C | N |
| December 17, 2010 | m & p-Xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 6/Jun/14 | 21.200 | mg/L | N |
| December 17, 2010 | Manganese | 6/Jun/14 | 0.351 | mg/L | N |
| December 17, 2010 | Nickel | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 6/Jun/14 | 0.280 | mg/L | N |
| December 17, 2010 | o-xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 6/Jun/14 | 7.850 | pH Units | N |
| December 17, 2010 | Potassium | 6/Jun/14 | 2.430 | mg/L | N |
| December 17, 2010 | Reactive Silica | 6/Jun/14 | 8.700 | mg/L | N |
| December 17, 2010 | Silver | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 6/Jun/14 | 17.500 | mg/L | N |
| December 17, 2010 | Sulphide | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 6/Jun/14 | 62.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 6/Jun/14 | 115.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 6/Jun/14 | 388.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 6/Jun/14 | 324.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 6/Jun/14 | 0.280 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 6/Jun/14 | 0.008 | mg/L | N |

## SITE: Fanshawe Well #4 - Raw

### a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 6/Jun/14 | 27.900 | µg/L | N |
| December 17, 2010 | Boron | 6/Jun/14 | 21.000 | µg/L | N |
| December 17, 2010 | Cadmium | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 6/Jun/14 | 0.150 | mg/L | N |
| December 17, 2010 | Mercury | 6/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Mar/14 | 0.19 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jun/14 | 0.19 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 24/Sep/14 | 0.11 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.1 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Mar/14 | 0.19 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jun/14 | 0.19 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 24/Sep/14 | 0.11 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.11 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jun/14 | 0.1 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 6/Jun/14 | 10.800 | mg/L | N |
| December 17, 2010 | Uranium | 6/Jun/14 | 0.800 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 6/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 6/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 6/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 6/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 6/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 6/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 6/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 6/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 6/Jun/14 | 0.250 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Vinyl Chloride | 6/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 6/Jun/14 | 272.000 | mg/L | N |
| December 17, 2010 | Aluminum | 6/Jun/14 | 0.004 | mg/L | N |
| December 17, 2010 | Ammonia as N | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Azoxystrobin | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | 4-Bromofluorobenzene | 6/Jun/14 | 103.000 | %Recovery | N |
| December 17, 2010 | Calcium | 6/Jun/14 | 78.400 | mg/L | N |
| December 17, 2010 | Chloride | 6/Jun/14 | 16.700 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 6/Jun/14 | 83.000 | % | N |
| December 17, 2010 | Cobalt | 6/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 6/Jun/14 | 8.000 | TCU | N |
| December 17, 2010 | Copper | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 6/Jun/14 | 76.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 6/Jun/14 | 65.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 6/Jun/14 | 1.100 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 6/Jun/14 | 579.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Fludioxonil | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | Iron | 6/Jun/14 | 0.091 | mg/L | N |
| December 17, 2010 | Langelier Index | 6/Jun/14 | 0.960 | @20 C | N |
| December 17, 2010 | m & p-Xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 6/Jun/14 | 17.100 | mg/L | N |
| December 17, 2010 | Manganese | 6/Jun/14 | 0.149 | mg/L | N |
| December 17, 2010 | Nickel | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 6/Jun/14 | 0.250 | mg/L | N |
| December 17, 2010 | o-xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 6/Jun/14 | 7.930 | pH Units | N |
| December 17, 2010 | Potassium | 6/Jun/14 | 1.760 | mg/L | N |
| December 17, 2010 | Reactive Silica | 6/Jun/14 | 7.330 | mg/L | N |
| December 17, 2010 | Silver | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 6/Jun/14 | 13.200 | mg/L | N |
| December 17, 2010 | Sulphide | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 6/Jun/14 | 81.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 6/Jun/14 | 116.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 6/Jun/14 | 270.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 6/Jun/14 | 266.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 6/Jun/14 | 0.250 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 6/Jun/14 | 0.005 | mg/L | N |

## SITE: Fanshawe Well #6 - Raw

### a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 6/Jun/14 | 23.900 | µg/L | N |
| December 17, 2010 | Boron | 6/Jun/14 | 15.000 | µg/L | N |
| December 17, 2010 | Cadmium | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 6/Jun/14 | 0.110 | mg/L | N |
| December 17, 2010 | Mercury | 6/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jun/14 | 0.06 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Mar/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jun/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 24/Sep/14 | 0.07 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jun/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 24/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 6/Jun/14 | 8.060 | mg/L | N |
| December 17, 2010 | Uranium | 6/Jun/14 | 0.500 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 6/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 6/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 6/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 6/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 6/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 6/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 6/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 6/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 6/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 6/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 6/Jun/14 | 0.250 | µg/L | N |

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|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 6/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 6/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 6/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Vinyl Chloride | 6/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 6/Jun/14 | 246.000 | mg/L | N |
| December 17, 2010 | Aluminum | 6/Jun/14 | 0.006 | mg/L | N |
| December 17, 2010 | Ammonia as N | 6/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Azoxystrobin | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | 4-Bromofluorobenzene | 6/Jun/14 | 106.000 | %Recovery | N |
| December 17, 2010 | Calcium | 6/Jun/14 | 73.200 | mg/L | N |
| December 17, 2010 | Chloride | 6/Jun/14 | 17.200 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 6/Jun/14 | 82.000 | % | N |
| December 17, 2010 | Cobalt | 6/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 6/Jun/14 | 5.000 | TCU | N |
| December 17, 2010 | Copper | 6/Jun/14 | 0.007 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 6/Jun/14 | 102.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 6/Jun/14 | 103.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 6/Jun/14 | 1.200 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 6/Jun/14 | 523.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Fludioxonil | 6/Jun/14 | Not detected | ppb | N |
| December 17, 2010 | Iron | 6/Jun/14 | 0.010 | mg/L | N |
| December 17, 2010 | Langelier Index | 6/Jun/14 | 0.880 | @20 C | N |
| December 17, 2010 | m & p-Xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 6/Jun/14 | 15.000 | mg/L | N |
| December 17, 2010 | Manganese | 6/Jun/14 | 0.182 | mg/L | N |
| December 17, 2010 | Nickel | 6/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 6/Jun/14 | 0.290 | mg/L | N |
| December 17, 2010 | o-xylene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 6/Jun/14 | 7.930 | pH Units | N |
| December 17, 2010 | Potassium | 6/Jun/14 | 2.110 | mg/L | N |
| December 17, 2010 | Reactive Silica | 6/Jun/14 | 6.630 | mg/L | N |
| December 17, 2010 | Silver | 6/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 6/Jun/14 | 8.930 | mg/L | N |
| December 17, 2010 | Sulphide | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 6/Jun/14 | 94.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 6/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 6/Jun/14 | 112.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 6/Jun/14 | 234.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 6/Jun/14 | 245.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 6/Jun/14 | 0.290 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 6/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 6/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 6/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 6/Jun/14 | 0.005 | mg/L | N |

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results.**

**As outlined below, sampling was carried out for inorganic and organic parameters at the following sites: Arva Pumping Station, Highbury Ave. at Dingman Dr.**

**SITE: Arva Pumping Station - Treated Distribution**

**a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)**

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 5/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 5/Jun/14 | 13.60 | µg/L | N |
| December 17, 2010 | Boron | 5/Jun/14 | 16.00 | µg/L | N |
| December 17, 2010 | Cadmium | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 1/Jan/14 | 0.55 | mg/L | N |
| December 17, 2010 | Fluoride | 8/Jan/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 15/Jan/14 | 0.7 | mg/L | N |
| December 17, 2010 | Fluoride | 22/Jan/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 29/Jan/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Feb/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Feb/14 | 0.49 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Feb/14 | 0.73 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Feb/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Mar/14 | 0.66 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Mar/14 | 0.6 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Mar/14 | 0.38 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Mar/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Mar/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Mar/14 | 0.66 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Mar/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 2/Apr/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 9/Apr/14 | 0.58 | mg/L | N |
| December 17, 2010 | Fluoride | 16/Apr/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 23/Apr/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 30/Apr/14 | 0.57 | mg/L | N |
| December 17, 2010 | Fluoride | 7/May/14 | 0.67 | mg/L | N |
| December 17, 2010 | Fluoride | 14/May/14 | 0.58 | mg/L | N |
| December 17, 2010 | Fluoride | 21/May/14 | 0.55 | mg/L | N |
| December 17, 2010 | Fluoride | 28/May/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 4/Jun/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 11/Jun/14 | 0.65 | mg/L | N |
| December 17, 2010 | Fluoride | 18/Jun/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Jun/14 | 0.74 | mg/L | N |
| December 17, 2010 | Fluoride | 2/Jul/14 | 0.6 | mg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Fluoride | 9/Jul/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 16/Jul/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 23/Jul/14 | 0.7 | mg/L | N |
| December 17, 2010 | Fluoride | 6/Aug/14 | 0.67 | mg/L | N |
| December 17, 2010 | Fluoride | 13/Aug/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 20/Aug/14 | 0.69 | mg/L | N |
| December 17, 2010 | Fluoride | 27/Aug/14 | 0.55 | mg/L | N |
| December 17, 2010 | Fluoride | 3/Sep/14 | 0.57 | mg/L | N |
| December 17, 2010 | Fluoride | 10/Sep/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 17/Sep/14 | 0.7 | mg/L | N |
| December 17, 2010 | Fluoride | 24/Sep/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 1/Oct/14 | 0.66 | mg/L | N |
| December 17, 2010 | Fluoride | 8/Oct/14 | 0.5 | mg/L | N |
| December 17, 2010 | Fluoride | 15/Oct/14 | 0.43 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Nov/14 | 0.4 | mg/L | N |
| December 17, 2010 | Fluoride | 3/Dec/14 | 0.52 | mg/L | N |
| December 17, 2010 | Fluoride | 10/Dec/14 | 0.5 | mg/L | N |
| December 17, 2010 | Fluoride | 17/Dec/14 | 0.66 | mg/L | N |
| December 17, 2010 | Fluoride | 24/Dec/14 | 0.58 | mg/L | N |
| December 17, 2010 | Fluoride | 31/Dec/14 | 0.68 | mg/L | N |
| December 17, 2010 | Mercury | 5/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jan/14 | 0.500 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 7/Mar/14 | 0.380 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.700 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.800 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Jun/14 | 0.460 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.300 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.300 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 23/Sep/14 | 0.300 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.300 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.495 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.500 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jan/14 | 0.500 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 7/Mar/14 | 0.380 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.700 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.800 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Jun/14 | 0.460 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.300 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.300 <MDL | mg/L | N |

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|---|---|---|---|---|---|
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 23/Sep/14 | 0.300 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.300 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.400 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.495 <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.500 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jan/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 7/Mar/14 | 0.050 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 23/Sep/14 | 0.050 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0.003 <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.100 <MDL | mg/L | N |
| December 17, 2010 | Selenium | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 5/Jun/14 | 8.550 | mg/L | N |
| December 17, 2010 | Uranium | 5/Jun/14 | 0.500 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 5/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 5/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 5/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 5/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 5/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 5/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 5/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 6/Jan/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.000 <MDL | ug/L | N |
| December 17, 2010 | Diclofop-methyl | 5/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 5/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 5/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 5/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 5/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 5/Jun/14 | 0.300 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Lindane | 5/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 5/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 5/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 5/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 5/Jun/14 | 0.250 | µg/L | N |
| December 17, 2010 | Simazine | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 5/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 5/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 5/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 7/Mar/14 | 17.000 | µg/L | N |
| December 17, 2010 | Bromodichloromethane | 7/Mar/14 | 5.200 | µg/L | N |
| December 17, 2010 | Bromoform | 7/Mar/14 | 0.300 | µg/L | N |
| December 17, 2010 | Chloroform | 7/Mar/14 | 9.100 | µg/L | N |
| December 17, 2010 | Dibromochloromethane | 7/Mar/14 | 2.400 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 5/Jun/14 | 39.000 | µg/L | N |
| December 17, 2010 | Bromodichloromethane | 5/Jun/14 | 9.500 | µg/L | N |
| December 17, 2010 | Bromoform | 5/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Chloroform | 5/Jun/14 | 26.000 | µg/L | N |
| December 17, 2010 | Dibromochloromethane | 5/Jun/14 | 3.200 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 23/Sep/14 | 0.500 | µg/L | N |
| December 17, 2010 | Bromodichloromethane | 23/Sep/14 | 0.200 | µg/L | N |
| December 17, 2010 | Bromoform | 23/Sep/14 | 0.300 | µg/L | N |
| December 17, 2010 | Chloroform | 23/Sep/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dibromochloromethane | 23/Sep/14 | 0.200 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 9/Dec/14 | 17.000 | ug/L | N |
| December 17, 2010 | Bromodichloromethane | 9/Dec/14 | 5.000 | ug/L | N |
| December 17, 2010 | Bromoform | 9/Dec/14 | 0.340 | ug/L | N |
| December 17, 2010 | Chloroform | 9/Dec/14 | 9.700 | ug/L | N |
| December 17, 2010 | Dibromochloromethane | 9/Dec/14 | 1.800 | ug/L | N |
| December 17, 2010 | Vinyl Chloride | 5/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 5/Jun/14 | 75.000 | mg/L | N |
| December 17, 2010 | Aluminum | 5/Jun/14 | 0.026 | mg/L | N |
| December 17, 2010 | Ammonia as N | 5/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | 4-Bromofluorobenzene | 5/Jun/14 | 112.000 | %Recovery | N |
| December 17, 2010 | Calcium | 5/Jun/14 | 27.500 | mg/L | N |
| December 17, 2010 | Chloride | 5/Jun/14 | 9.270 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 5/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 5/Jun/14 | 72.000 | % | N |
| December 17, 2010 | Cobalt | 5/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 5/Jun/14 | 5.000 | TCU | N |
| December 17, 2010 | Copper | 6/Jan/14 | 0.003 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Jun/14 | 0.005 | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.003 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.003 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.002 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.003 <MDL | mg/L | N |
| December 17, 2010 | Cyanide, Free | 5/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 5/Jun/14 | 120.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 5/Jun/14 | 122.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 5/Jun/14 | 1.300 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 5/Jun/14 | 241.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 5/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Free Chlorine | 3/Feb/14 | 0.960 | mg/L | N |
| December 17, 2010 | Free Chlorine | 3/Mar/14 | 1.010 | mg/L | N |
| December 17, 2010 | Free Chlorine | 1/Apr/14 | 0.880 | mg/L | N |
| December 17, 2010 | Free Chlorine | 2/Jun/14 | 0.960 | mg/L | N |
| December 17, 2010 | Free Chlorine | 2/Jul/14 | 0.910 | mg/L | N |
| December 17, 2010 | Free Chlorine | 3/Sep/14 | 0.940 | mg/L | N |
| December 17, 2010 | Free Chlorine | 10/Nov/14 | 1.020 | mg/L | N |
| December 17, 2010 | Iron | 6/Jan/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 5/Jun/14 | 0.010 | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.005 <MDL | mg/L | N |

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|---|---|---|---|---|---|
| December 17, 2010 | Iron | 5/Aug/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.005 <MDL | mg/L | N |
| December 17, 2010 | Langelier Index | 5/Jun/14 | 0.090 | | N |
| December 17, 2010 | m & p-Xylene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 5/Jun/14 | 7.790 | mg/L | N |
| December 17, 2010 | Manganese | 5/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Nickel | 5/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 5/Jun/14 | 0.110 | mg/L | N |
| December 17, 2010 | o-xylene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 5/Jun/14 | 7.980 | pH Units | N |
| December 17, 2010 | Potassium | 5/Jun/14 | 1.040 | mg/L | N |
| December 17, 2010 | Reactive Silica | 5/Jun/14 | 1.130 | mg/L | N |
| December 17, 2010 | Silver | 5/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 5/Jun/14 | 28.800 | mg/L | N |
| December 17, 2010 | Sulphide | 5/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 5/Jun/14 | 105.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 5/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 7/Mar/14 | 98.000 | %Recovery | N |
| December 17, 2010 | Toluene-d8 | 5/Jun/14 | 105.000 | %Recovery | N |
| December 17, 2010 | Toluene-d8 | 23/Sep/14 | 93.000 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 5/Jun/14 | 140.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 5/Jun/14 | 101.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 5/Jun/14 | 0.130 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 5/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 5/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 5/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 5/Jun/14 | 0.005 | mg/L | N |

## SITE: Highbury Ave. at Dingman Dr. - Treated Distribution

## a) INORGANIC PARAMETERS (including lead, sodium, nitrate, nitrite, and fluoride)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Antimony | 4/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Arsenic | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Barium | 4/Jun/14 | 20.400 | µg/L | N |
| December 17, 2010 | Boron | 4/Jun/14 | 19.000 | µg/L | N |
| December 17, 2010 | Cadmium | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chromium | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Fluoride | 1/Jan/14 | 0.52 | mg/L | N |
| December 17, 2010 | Fluoride | 8/Jan/14 | 0.48 | mg/L | N |
| December 17, 2010 | Fluoride | 15/Jan/14 | 0.54 | mg/L | N |
| December 17, 2010 | Fluoride | 22/Jan/14 | 0.51 | mg/L | N |
| December 17, 2010 | Fluoride | 29/Jan/14 | 0.45 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Feb/14 | 0.42 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Feb/14 | 0.38 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Feb/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Feb/14 | 0.46 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Mar/14 | 0.52 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Mar/14 | 0.43 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Mar/14 | 0.22 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Mar/14 | 0.42 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Mar/14 | 0.39 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Mar/14 | 0.44 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Mar/14 | 0.41 | mg/L | N |
| December 17, 2010 | Fluoride | 2/Apr/14 | 0.45 | mg/L | N |
| December 17, 2010 | Fluoride | 9/Apr/14 | 0.46 | mg/L | N |
| December 17, 2010 | Fluoride | 16/Apr/14 | 0.47 | mg/L | N |
| December 17, 2010 | Fluoride | 23/Apr/14 | 0.45 | mg/L | N |
| December 17, 2010 | Fluoride | 30/Apr/14 | 0.45 | mg/L | N |
| December 17, 2010 | Fluoride | 7/May/14 | 0.51 | mg/L | N |
| December 17, 2010 | Fluoride | 14/May/14 | 0.57 | mg/L | N |
| December 17, 2010 | Fluoride | 21/May/14 | 0.56 | mg/L | N |
| December 17, 2010 | Fluoride | 28/May/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 4/Jun/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 11/Jun/14 | 0.55 | mg/L | N |
| December 17, 2010 | Fluoride | 18/Jun/14 | 0.5 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Jun/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 2/Jul/14 | 0.65 | mg/L | N |
| December 17, 2010 | Fluoride | 9/Jul/14 | 0.48 | mg/L | N |
| December 17, 2010 | Fluoride | 16/Jul/14 | 0.6 | mg/L | N |
| December 17, 2010 | Fluoride | 23/Jul/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 6/Aug/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 13/Aug/14 | 0.48 | mg/L | N |
| December 17, 2010 | Fluoride | 20/Aug/14 | 0.57 | mg/L | N |
| December 17, 2010 | Fluoride | 27/Aug/14 | 0.56 | mg/L | N |
| December 17, 2010 | Fluoride | 3/Sep/14 | 0.68 | mg/L | N |

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|---|---|---|---|---|---|
| December 17, 2010 | Fluoride | 10/Sep/14 | 0.63 | mg/L | N |
| December 17, 2010 | Fluoride | 17/Sep/14 | 0.64 | mg/L | N |
| December 17, 2010 | Fluoride | 24/Sep/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 1/Oct/14 | 0.65 | mg/L | N |
| December 17, 2010 | Fluoride | 8/Oct/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 15/Oct/14 | 0.54 | mg/L | N |
| December 17, 2010 | Fluoride | 22/Oct/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 29/Oct/14 | 0.61 | mg/L | N |
| December 17, 2010 | Fluoride | 5/Nov/14 | 0.59 | mg/L | N |
| December 17, 2010 | Fluoride | 12/Nov/14 | 0.53 | mg/L | N |
| December 17, 2010 | Fluoride | 19/Nov/14 | 0.56 | mg/L | N |
| December 17, 2010 | Fluoride | 26/Nov/14 | 0.47 | mg/L | N |
| December 17, 2010 | Fluoride | 3/Dec/14 | 0.54 | mg/L | N |
| December 17, 2010 | Fluoride | 10/Dec/14 | 0.46 | mg/L | N |
| December 17, 2010 | Fluoride | 17/Dec/14 | 0.5 | mg/L | N |
| December 17, 2010 | Fluoride | 24/Dec/14 | 0.5 | mg/L | N |
| December 17, 2010 | Fluoride | 31/Dec/14 | 0.48 | mg/L | N |
| December 17, 2010 | Mercury | 4/Jun/14 | 0.020 | µg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 7/Mar/14 | 0.24 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 4/Jun/14 | 0.16 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 23/Sep/14 | 0.17 | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 9/Dec/14 | 0.142 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 7/Mar/14 | 0.24 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 4/Jun/14 | 0.16 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 23/Sep/14 | 0.17 | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 9/Dec/14 | 0.142 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 7/Mar/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 4/Jun/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 23/Sep/14 | 0.05 | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 9/Dec/14 | 0.003 | mg/L | N |
| December 17, 2010 | Selenium | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Sodium | 4/Jun/14 | 14.200 | mg/L | N |
| December 17, 2010 | Uranium | 4/Jun/14 | 0.500 | µg/L | N |

## b) ORGANIC PARAMETERS (including THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alachlor | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Aldicarb | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Aldrin + Dieldrin | 4/Jun/14 | 0.070 | µg/L | N |
| December 17, 2010 | Atrazine | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Atrazine + N-dealkylated metabolites | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | De-ethylated Atrazine | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Azinphos-methyl | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Bendiocarb | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Benzene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Benzo(a)pyrene | 4/Jun/14 | 0.010 | µg/L | N |
| December 17, 2010 | Bromoxynil | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Carbaryl | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbofuran | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Carbon tetrachloride | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Chlordane (Total) | 4/Jun/14 | 0.700 | µg/L | N |
| December 17, 2010 | Chlorpyrifos | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Cyanazine | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diazinon | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Dicamba | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichlorobenzene | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 1,4-Dichlorobenzene | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | DDT + Metabolites | 4/Jun/14 | 3.000 | µg/L | N |
| December 17, 2010 | 1,2-Dichloroethane | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dichloromethane | 4/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | 2,4-dichlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4-D | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diclofop-methyl | 4/Jun/14 | 0.900 | µg/L | N |
| December 17, 2010 | Dimethoate | 4/Jun/14 | 2.500 | µg/L | N |
| December 17, 2010 | Dinoseb | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Diquat | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Diuron | 4/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Glyphosate | 4/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | Heptachlor + Heptachlor Epoxide | 4/Jun/14 | 0.300 | µg/L | N |
| December 17, 2010 | Lindane | 4/Jun/14 | 0.400 | µg/L | N |
| December 17, 2010 | Malathion | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | Methoxychlor | 4/Jun/14 | 90.000 | µg/L | N |
| December 17, 2010 | Metolachlor | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Metribuzin | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Paraquat | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Parathion | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Pentachlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Phorate | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Picloram | 4/Jun/14 | 5.000 | µg/L | N |
| December 17, 2010 | PCB`s | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Prometryne | 4/Jun/14 | 0.250 | µg/L | N |

| | | | | | |
|---|---|---|---|---|---|
| December 17, 2010 | Simazine | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Temephos | 4/Jun/14 | 10.000 | µg/L | N |
| December 17, 2010 | Terbufos | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,3,4,6-tetrachlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | Triallate | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trichloroethylene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | 2,4,6-trichlorophenol | 4/Jun/14 | 0.500 | µg/L | N |
| December 17, 2010 | 2,4,5-T | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Trifluralin | 4/Jun/14 | 2.000 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 7/Mar/14 | 22 | µg/L | N |
| December 17, 2010 | Bromodichloromethane | 7/Mar/14 | 7.2 | µg/L | N |
| December 17, 2010 | Bromoform | 7/Mar/14 | 0.3 | µg/L | N |
| December 17, 2010 | Chloroform | 7/Mar/14 | 11 | µg/L | N |
| December 17, 2010 | Dibromochloromethane | 7/Mar/14 | 3.6 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 4/Jun/14 | 43 | µg/L | N |
| December 17, 2010 | Bromodichloromethane | 4/Jun/14 | 13 | µg/L | N |
| December 17, 2010 | Bromoform | 4/Jun/14 | 0.3 | µg/L | N |
| December 17, 2010 | Chloroform | 4/Jun/14 | 24 | µg/L | N |
| December 17, 2010 | Dibromochloromethane | 4/Jun/14 | 6.5 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 23/Sep/14 | 35 | µg/L | N |
| December 17, 2010 | Bromodichloromethane | 23/Sep/14 | 10 | µg/L | N |
| December 17, 2010 | Bromoform | 23/Sep/14 | 0.3 | µg/L | N |
| December 17, 2010 | Chloroform | 23/Sep/14 | 22 | µg/L | N |
| December 17, 2010 | Dibromochloromethane | 23/Sep/14 | 3.4 | µg/L | N |
| December 17, 2010 | Trihalomethanes (total) | 9/Dec/14 | 17 | ug/L | N |
| December 17, 2010 | Bromodichloromethane | 9/Dec/14 | 5.9 | ug/L | N |
| December 17, 2010 | Bromoform | 9/Dec/14 | 0.34 | ug/L | N |
| December 17, 2010 | Chloroform | 9/Dec/14 | 8 | ug/L | N |
| December 17, 2010 | Dibromochloromethane | 9/Dec/14 | 3.1 | ug/L | N |
| December 17, 2010 | Vinyl Chloride | 4/Jun/14 | 0.200 | µg/L | N |

## c) NON-REGULATED INORGANIC/ORGANIC PARAMETERS

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Alkalinity (as CaCO3) | 4/Jun/14 | 93.000 | mg/L | N |
| December 17, 2010 | Aluminum | 4/Jun/14 | 0.019 | mg/L | N |
| December 17, 2010 | Ammonia as N | 4/Jun/14 | 0.020 | mg/L | N |
| December 17, 2010 | 4-Bromofluorobenzene | 4/Jun/14 | 106.000 | %Recovery | N |
| December 17, 2010 | Calcium | 4/Jun/14 | 33.600 | mg/L | N |
| December 17, 2010 | Chloride | 4/Jun/14 | 17.800 | mg/L | N |
| December 17, 2010 | Chlorobenzene | 4/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Chrysene-d12 | 4/Jun/14 | 64.000 | % | N |
| December 17, 2010 | Cobalt | 4/Jun/14 | 0.001 | mg/L | N |
| December 17, 2010 | Colour | 4/Jun/14 | 5.000 | TCU | N |
| December 17, 2010 | Copper | 4/Jun/14 | 0.004 | mg/L | N |
| December 17, 2010 | Cyanide, Free | 4/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | DCAA (Herbicide Surrogate) | 4/Jun/14 | 58.000 | % | N |
| December 17, 2010 | Decachlorobiphenyl (OC Pesticide Surrogate | 4/Jun/14 | 100.000 | % | N |
| December 17, 2010 | 1,1 Dichloroethene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Dissolved Organic Carbon | 4/Jun/14 | 2.300 | mg/L | N |
| December 17, 2010 | Electrical Conductivity | 4/Jun/14 | 302.000 | uS/cm | N |
| December 17, 2010 | Ethylbenzene | 4/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Iron | 4/Jun/14 | 0.010 | mg/L | N |
| December 17, 2010 | Langelier Index | 4/Jun/14 | -0.110 | 0/Jan/00 | N |
| December 17, 2010 | m & p-Xylene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Magnesium | 4/Jun/14 | 8.380 | mg/L | N |
| December 17, 2010 | Manganese | 4/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Nickel | 4/Jun/14 | 0.003 | mg/L | N |
| December 17, 2010 | Organic Nitrogen | 4/Jun/14 | 0.400 | mg/L | N |
| December 17, 2010 | o-xylene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | pH | 4/Jun/14 | 7.680 | pH Units | N |
| December 17, 2010 | Potassium | 4/Jun/14 | 1.470 | mg/L | N |
| December 17, 2010 | Reactive Silica | 4/Jun/14 | 0.520 | mg/L | N |
| December 17, 2010 | Silver | 4/Jun/14 | 0.002 | mg/L | N |
| December 17, 2010 | Sulphate | 4/Jun/14 | 33.000 | mg/L | N |
| December 17, 2010 | Sulphide | 4/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | TCMX (OC Pesticide Surrogate) | 4/Jun/14 | 102.000 | % | N |
| December 17, 2010 | Tetrachloroethene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene | 4/Jun/14 | 0.200 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 7/Mar/14 | 99 | %Recovery | N |
| December 17, 2010 | Toluene-d8 | 4/Jun/14 | 113 | %Recovery | N |
| December 17, 2010 | Toluene-d8 | 4/Jun/14 | 113 | %Recovery | N |
| December 17, 2010 | Toluene-d8 | 23/Sep/14 | 95 | %Recovery | N |
| December 17, 2010 | Total Dissolved Solids | 4/Jun/14 | 168.000 | mg/L | N |
| December 17, 2010 | Total Hardness (as CaCO3) | 4/Jun/14 | 118.000 | mg/L | N |
| December 17, 2010 | Total Kjeldahl Nitrogen | 4/Jun/14 | 0.400 | mg/L | N |
| December 17, 2010 | Total Phosphorus | 4/Jun/14 | 0.050 | mg/L | N |
| December 17, 2010 | 2,4,5-TP | 4/Jun/14 | 1.000 | µg/L | N |
| December 17, 2010 | Total Xylenes | 4/Jun/14 | 0.100 | µg/L | N |
| December 17, 2010 | Zinc | 4/Jun/14 | 0.013 | mg/L | N |

**Summary of Inorganic/Organic parameters tested during this reporting period.**

**As outlined below, sampling was carried out for THM's at 214 Rathowan St., 4318 Colonel Talbot Rd., and at 869 Commissioners Road West.**

**SITE: Fire Hydrant at 214 Rathowan St. - Treated Distribution**

**b) ORGANIC PARAMETERS (THM)**

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Trihalomethanes (total) | 7/Mar/14 | 18.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 7/Mar/14 | 5.70 | µg/L | N |
| December 17, 2010 | (bromoform) | 7/Mar/14 | 0.30 | µg/L | N |
| December 17, 2010 | (chloroform) | 7/Mar/14 | 10.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 7/Mar/14 | 2.60 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 7/Mar/14 | 105.00 | %Recovery | N |
| December 17, 2010 | Trihalomethanes (total) | 4/Jun/14 | 35.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 4/Jun/14 | 8.60 | µg/L | N |
| December 17, 2010 | (bromoform) | 4/Jun/14 | 0.30 | µg/L | N |
| December 17, 2010 | (chloroform) | 4/Jun/14 | 23.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 4/Jun/14 | 3.30 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 4/Jun/14 | 112.00 | %Recovery | N |
| December 17, 2010 | Trihalomethanes (total) | 23/Sep/14 | 24.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 23/Sep/14 | 8.60 | µg/L | N |
| December 17, 2010 | (bromoform) | 23/Sep/14 | 0.30 | µg/L | N |
| December 17, 2010 | (chloroform) | 23/Sep/14 | 17.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 23/Sep/14 | 3.80 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 23/Sep/14 | 95.00 | %Recovery | N |
| December 17, 2010 | Trihalomethanes (total) | 9/Dec/14 | 20.00 <MDL | ug/L | N |
| December 17, 2010 | (bromodichloromethane) | 9/Dec/14 | 5.90 <MDL | ug/L | N |
| December 17, 2010 | (bromoform) | 9/Dec/14 | 0.34 <MDL | ug/L | N |
| December 17, 2010 | (chloroform) | 9/Dec/14 | 12.00 <MDL | ug/L | N |
| December 17, 2010 | (dibromochloromethane) | 9/Dec/14 | 2.00 <MDL | ug/L | N |

## SITE: 4318 Colonel Talbot Rd. - Treated Distribution

### b) ORGANIC PARAMETERS (THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Trihalomethanes (total) | 7/Mar/14 | 30.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 7/Mar/14 | 8.30 | µg/L | N |
| December 17, 2010 | (bromoform) | 7/Mar/14 | 0.30 | µg/L | N |
| December 17, 2010 | (chloroform) | 7/Mar/14 | 18.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 7/Mar/14 | 3.40 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 7/Mar/14 | 100.00 | %Recovery | N |
| December 17, 2010 | Trihalomethanes (total) | 4/Jun/14 | 58.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 4/Jun/14 | 13.00 | µg/L | N |
| December 17, 2010 | (bromoform) | 4/Jun/14 | 0.30 | µg/L | N |
| December 17, 2010 | (chloroform) | 4/Jun/14 | 37.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 4/Jun/14 | 5.10 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 4/Jun/14 | 111.00 | %Recovery | N |
| December 17, 2010 | Trihalomethanes (total) | 23/Sep/14 | 40.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 23/Sep/14 | 12.00 | µg/L | N |
| December 17, 2010 | (bromoform) | 23/Sep/14 | 0.30 | µg/L | N |
| December 17, 2010 | (chloroform) | 23/Sep/14 | 24.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 23/Sep/14 | 4.30 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 23/Sep/14 | 92.00 | %Recovery | N |
| December 17, 2010 | Trihalomethanes (total) | 9/Dec/14 | 34.00 <MDL | ug/L | N |
| December 17, 2010 | (bromodichloromethane) | 9/Dec/14 | 8.40 <MDL | ug/L | N |
| December 17, 2010 | (bromoform) | 9/Dec/14 | 0.34 <MDL | ug/L | N |
| December 17, 2010 | (chloroform) | 9/Dec/14 | 23.00 <MDL | ug/L | N |
| December 17, 2010 | (dibromochloromethane) | 9/Dec/14 | 3.10 <MDL | ug/L | N |

## SITE: 869 Commissioners Rd W (#2 Reservoir) - Treated Distribution

### b) ORGANIC PARAMETERS (THM)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Trihalomethanes (total) | 12/May/14 | 39.00 | µg/L | N |
| December 17, 2010 | (bromodichloromethane) | 12/May/14 | 8.20 | µg/L | N |
| December 17, 2010 | (bromoform) | 12/May/14 | 3.90 | µg/L | N |
| December 17, 2010 | (chloroform) | 12/May/14 | 27.00 | µg/L | N |
| December 17, 2010 | (dibromochloromethane) | 12/May/14 | 0.20 | µg/L | N |
| December 17, 2010 | Toluene-d8 | 12/May/14 | 107.00 | %Recovery | N |

**Summary of Inorganic/Organic parameters tested during this reporting period.**

**As outlined below, sampling was carried out for 2,4-D, Copper, Iron, Nitrates, and Nitrites at 844 Commissioners Rd., 1121 Commissioners Rd. E., 1617 Hyde Park Rd., 2080 Wickerson Rd., 221 Sunningdale Rd E., and 603 Wonderland Rd S.**

## SITE: 844 Commissioners Rd. (Springbank PS) - Treated Distribution

### a) ORGANIC & INORGANIC PARAMETERS (2,4-D, Copper, Iron, Nitrate, Nitrite)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jan/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | Copper | 2/Jan/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.16 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.01 <MDL | mg/L | N |

| | | | | | | |
|---|---|---|---|---|---|---|
| December 17, 2010 | Iron | 5/Aug/14 | 0.01 | <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.01 | <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.01 | <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.01 | <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.01 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jan/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.60 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.60 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jan/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.80 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.60 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jan/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.10 | <MDL | mg/L | N |

## SITE: 1121 Commissioners Rd. E (Pond Mills PS) - Treated Distribution

## a) ORGANIC & INORGANIC PARAMETERS (2,4-D, Copper, Iron, Nitrate, Nitrite)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 6/Jan/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | Copper | 6/Jan/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.03 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.04 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.04 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.32 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Iron | 6/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.03 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 5/Aug/14 | 0.45 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jan/14 | 0.20 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.20 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.20 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.20 <MDL | mg/L | N |

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|---|---|---|---|---|---|---|
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jan/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jan/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.10 | <MDL | mg/L | N |

## SITE: 1617 Hyde Park Rd (Hyde Park PS) - Treated Distribution

## a) ORGANIC & INORGANIC PARAMETERS (2,4-D, Copper, Iron, Nitrate, Nitrite)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 6/Jan/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | Copper | 6/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Iron | 6/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 5/Aug/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jan/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.70 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.80 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.40 <MDL | mg/L | N |

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|---|---|---|---|---|---|---|
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jan/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.90 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.80 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jan/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.10 | <MDL | mg/L | N |

## SITE: 2080 Wickerson Rd (Wickerson PS) - Treated Distribution

## a) ORGANIC & INORGANIC PARAMETERS (2,4-D, Copper, Iron, Nitrate, Nitrite)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jan/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | Copper | 2/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.04 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.07 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.04 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.24 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.15 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 5/Aug/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jan/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.70 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.60 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.40 <MDL | mg/L | N |

| | | | | | | |
|---|---|---|---|---|---|---|
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jan/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.70 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.70 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jan/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.10 | <MDL | mg/L | N |

## SITE: 221 Sunningdale Rd E (Uplands PS) - Treated Distribution

## a) ORGANIC & INORGANIC PARAMETERS (2,4-D, Copper, Iron, Nitrate, Nitrite)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 6/Jan/14 | 20.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | Copper | 6/Jan/14 | 0.11 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.03 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.05 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.10 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.08 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.05 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.05 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Iron | 6/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 5/Aug/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.02 <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 6/Jan/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.70 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.80 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.40 <MDL | mg/L | N |

| | | | | | | |
|---|---|---|---|---|---|---|
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 6/Jan/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.90 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.90 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 6/Jan/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.10 | <MDL | mg/L | N |

## SITE: 603 Wonderland Rd S (Westmount PS) - Treated Distribution

## a) ORGANIC & INORGANIC PARAMETERS (2,4-D, Copper, Iron, Nitrate, Nitrite)

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jan/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Feb/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Mar/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/Apr/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 1/May/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jun/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 2/Jul/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 5/Aug/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Sep/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 3/Oct/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 10/Nov/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | 2,4-dichlorophenoxyacetic acid (2,4-D) | 11/Dec/14 | 5.00 <MDL | ug/L | N |
| December 17, 2010 | Copper | 2/Jan/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Feb/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Mar/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/Apr/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 1/May/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jun/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 5/Aug/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Sep/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 3/Oct/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Copper | 10/Nov/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Copper | 11/Dec/14 | 0.00 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jan/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Feb/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Mar/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/Apr/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 1/May/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jun/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 2/Jul/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 5/Aug/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Sep/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 3/Oct/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Iron | 10/Nov/14 | 0.03 <MDL | mg/L | N |
| December 17, 2010 | Iron | 11/Dec/14 | 0.01 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jan/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Feb/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Mar/14 | 0.40 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/Apr/14 | 0.60 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 1/May/14 | 0.60 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jun/14 | 0.50 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 2/Jul/14 | 0.30 <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 5/Aug/14 | 0.40 <MDL | mg/L | N |

| | | | | | | |
|---|---|---|---|---|---|---|
| December 17, 2010 | Nitrate (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jan/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Feb/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Mar/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/Apr/14 | 0.80 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 1/May/14 | 0.70 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jun/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 2/Jul/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 5/Aug/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Sep/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 3/Oct/14 | 0.30 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 10/Nov/14 | 0.40 | <MDL | mg/L | N |
| December 17, 2010 | Nitrate + Nitrite (as nitrogen) | 11/Dec/14 | 0.50 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jan/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Feb/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Mar/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/Apr/14 | 0.20 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 1/May/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jun/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 2/Jul/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 5/Aug/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Sep/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 3/Oct/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 10/Nov/14 | 0.10 | <MDL | mg/L | N |
| December 17, 2010 | Nitrite (as nitrogen) | 11/Dec/14 | 0.10 | <MDL | mg/L | N |

**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.**

| Date of Municipal Drinking Water Licence | Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|---|
| December 17, 2010 | Sodium | 04-JUN-14 | 14.2 | mg/L | N |
| December 17, 2010 | Trihalomethanes | 04-JUN-14 | 58 | µg/L | N |

# Appendix ‘B’
# 2014 Summary Report
## *(Summary of Water Pumpage)*

London
CANADA

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Wednesday | 1/Jan/14 | 22,650 | 93,791 | 109,451 |
| Thursday | 2/Jan/14 | 22,732 | 93,587 | 116,996 |
| Friday | 3/Jan/14 | 22,727 | 93,478 | 118,685 |
| Saturday | 4/Jan/14 | 22,733 | 97,568 | 122,781 |
| Sunday | 5/Jan/14 | 22,732 | 104,594 | 128,454 |
| Monday | 6/Jan/14 | 22,733 | 104,955 | 123,854 |
| Tuesday | 7/Jan/14 | 22,726 | 100,744 | 126,176 |
| Wednesday | 8/Jan/14 | ***22,736*** | 104,262 | 128,126 |
| Thursday | 9/Jan/14 | 22,730 | 108,369 | 129,971 |
| Friday | 10/Jan/14 | 22,732 | 100,398 | 124,934 |
| Saturday | 11/Jan/14 | 22,734 | 104,548 | ***132,243*** |
| Sunday | 12/Jan/14 | 22,670 | ***116,694*** | 131,923 |
| Monday | 13/Jan/14 | 22,733 | 115,233 | 126,692 |
| Tuesday | 14/Jan/14 | 22,725 | 96,638 | 124,098 |
| Wednesday | 15/Jan/14 | 22,724 | 103,530 | 123,548 |
| Thursday | 16/Jan/14 | 22,724 | 99,565 | 117,554 |
| Friday | 17/Jan/14 | 22,720 | 91,502 | 112,643 |
| Saturday | 18/Jan/14 | 22,730 | 94,020 | 116,750 |
| Sunday | 19/Jan/14 | 22,724 | 95,885 | 120,413 |
| Monday | 20/Jan/14 | 22,720 | 93,702 | 119,128 |
| Tuesday | 21/Jan/14 | 22,724 | 93,631 | 123,796 |
| Wednesday | 22/Jan/14 | 22,722 | 97,058 | 120,907 |
| Thursday | 23/Jan/14 | 22,728 | 100,801 | 121,275 |
| Friday | 24/Jan/14 | 22,721 | 100,573 | 115,402 |
| Saturday | 25/Jan/14 | 22,730 | 88,600 | 115,839 |
| Sunday | 26/Jan/14 | 22,725 | 93,327 | 123,719 |
| Monday | 27/Jan/14 | 21,177 | 100,799 | 117,466 |
| Tuesday | 28/Jan/14 | 22,728 | 97,423 | 118,798 |
| Wednesday | 29/Jan/14 | 22,723 | 97,006 | 121,533 |
| Thursday | 30/Jan/14 | 22,727 | 97,648 | 122,404 |
| Friday | 31/Jan/14 | 22,725 | 97,124 | 116,016 |
| **January 2014 Monthly Max** | | 22,736 | 116,694 | 132,243 |
| **January 2014 Monthly Average** | | 22,674 | 99,442 | 122,071 |
| **January 2014 Total** | | 680,215 | 2,983,262 | 3,662,124 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Saturday | 1/Feb/14 | 22,732 | 88,954 | 114,167 |
| Sunday | 2/Feb/14 | 22,733 | 109,833 | ***128,507*** |
| Monday | 3/Feb/14 | 29,076 | 91,982 | 115,195 |
| Tuesday | 4/Feb/14 | ***44,776*** | 46,768 | 120,181 |
| Wednesday | 5/Feb/14 | 18,741 | 105,541 | 117,066 |
| Thursday | 6/Feb/14 | 22,650 | ***110,169*** | 118,614 |
| Friday | 7/Feb/14 | 22,696 | 92,304 | 112,068 |
| Saturday | 8/Feb/14 | 22,707 | 89,430 | 117,775 |
| Sunday | 9/Feb/14 | 22,706 | 94,978 | 121,291 |
| Monday | 10/Feb/14 | 22,712 | 100,681 | 120,687 |
| Tuesday | 11/Feb/14 | 22,719 | 99,903 | 121,495 |
| Wednesday | 12/Feb/14 | 22,722 | 99,925 | 121,745 |
| Thursday | 13/Feb/14 | 22,736 | 101,669 | 120,121 |
| Friday | 14/Feb/14 | 22,710 | 85,143 | 113,265 |
| Saturday | 15/Feb/14 | 22,711 | 90,349 | 113,736 |
| Sunday | 16/Feb/14 | 22,715 | 90,390 | 109,497 |
| Monday | 17/Feb/14 | 22,715 | 96,220 | 117,582 |
| Tuesday | 18/Feb/14 | 22,712 | 91,437 | 114,375 |
| Wednesday | 19/Feb/14 | 22,720 | 90,944 | 116,821 |
| Thursday | 20/Feb/14 | 22,718 | 95,220 | 115,232 |
| Friday | 21/Feb/14 | 22,719 | 96,621 | 113,026 |
| Saturday | 22/Feb/14 | 22,723 | 82,442 | 115,537 |
| Sunday | 23/Feb/14 | 22,723 | 96,522 | 123,755 |
| Monday | 24/Feb/14 | 22,718 | 103,310 | 119,038 |
| Tuesday | 25/Feb/14 | 22,718 | 100,619 | 120,406 |
| Wednesday | 26/Feb/14 | 22,717 | 96,946 | 123,271 |
| Thursday | 27/Feb/14 | 22,710 | 96,324 | 120,837 |
| Friday | 28/Feb/14 | 22,717 | 96,422 | 115,757 |
| **February 2014 Monthly Max** | | 44,776 | 110,169 | 128,507 |
| **February 2014 Monthly Max** | | 23,588 | 94,323 | 117,895 |
| **February 2014 Total** | | 660,452 | 2,641,046 | 3,301,047 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Saturday | 1/Mar/14 | 22,711 | 96,583 | 120,422 |
| Sunday | 2/Mar/14 | 22,723 | 104,204 | 129,632 |
| Monday | 3/Mar/14 | 19,613 | 104,570 | 121,703 |
| Tuesday | 4/Mar/14 | 22,705 | 101,124 | 122,702 |
| Wednesday | 5/Mar/14 | 22,723 | 101,304 | 123,576 |
| Thursday | 6/Mar/14 | 22,705 | 100,986 | 121,661 |
| Friday | 7/Mar/14 | 22,708 | 93,394 | 118,583 |
| Saturday | 8/Mar/14 | 22,714 | 85,884 | 116,941 |
| Sunday | 9/Mar/14 | 22,710 | 117,760 | 129,195 |
| Monday | 10/Mar/14 | 0 | 109,805 | 107,776 |
| Tuesday | 11/Mar/14 | ***25,829*** | 96,673 | 120,473 |
| Wednesday | 12/Mar/14 | 7,503 | 96,370 | 119,657 |
| Thursday | 13/Mar/14 | 25,130 | 93,869 | 109,979 |
| Friday | 14/Mar/14 | 25,136 | 88,673 | 114,711 |
| Saturday | 15/Mar/14 | 25,132 | 92,562 | 116,341 |
| Sunday | 16/Mar/14 | 25,135 | 100,874 | 126,911 |
| Monday | 17/Mar/14 | 25,127 | 108,646 | ***131,969*** |
| Tuesday | 18/Mar/14 | 0 | ***120,649*** | 123,581 |
| Wednesday | 19/Mar/14 | 0 | 108,160 | 114,699 |
| Thursday | 20/Mar/14 | 25,133 | 96,709 | 122,293 |
| Friday | 21/Mar/14 | 25,139 | 96,703 | 118,459 |
| Saturday | 22/Mar/14 | 25,151 | 96,398 | 118,167 |
| Sunday | 23/Mar/14 | 25,170 | 99,862 | 125,709 |
| Monday | 24/Mar/14 | 18,820 | 103,997 | 121,689 |
| Tuesday | 25/Mar/14 | 25,205 | 101,210 | 123,484 |
| Wednesday | 26/Mar/14 | 25,202 | 97,282 | 123,160 |
| Thursday | 27/Mar/14 | 25,215 | 97,272 | 122,487 |
| Friday | 28/Mar/14 | 25,000 | 92,754 | 116,627 |
| Saturday | 29/Mar/14 | 25,000 | 89,213 | 116,242 |
| Sunday | 30/Mar/14 | 25,000 | 96,721 | 123,751 |
| Monday | 31/Mar/14 | 25,000 | 99,198 | 118,786 |
| **March 2014 Monthly Max** | | 25,829 | 120,649 | 131,969 |
| **March 2014 Monthly Average** | | 21,088 | 99,761 | 120,698 |
| **March 2014 Total** | | 632,628 | 2,992,826 | 3,620,944 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Tuesday | 1/Apr/14 | 25,157 | 84,917 | 119,093 |
| Wednesday | 2/Apr/14 | 25,183 | 95,336 | 120,519 |
| Thursday | 3/Apr/14 | 25,187 | 96,111 | 120,847 |
| Friday | 4/Apr/14 | 25,185 | 92,738 | 113,414 |
| Saturday | 5/Apr/14 | 25,187 | 88,307 | 116,425 |
| Sunday | 6/Apr/14 | 25,190 | 96,549 | 123,543 |
| Monday | 7/Apr/14 | 25,176 | 96,548 | 122,175 |
| Tuesday | 8/Apr/14 | 25,165 | 97,476 | 117,906 |
| Wednesday | 9/Apr/14 | 25,172 | 86,475 | 120,440 |
| Thursday | 10/Apr/14 | 25,181 | 90,750 | 117,510 |
| Friday | 11/Apr/14 | 25,120 | ***109,618*** | 114,895 |
| Saturday | 12/Apr/14 | 25,151 | 89,969 | 118,728 |
| Sunday | 13/Apr/14 | 25,141 | 96,363 | ***125,788*** |
| Monday | 14/Apr/14 | 25,214 | 92,676 | 119,018 |
| Tuesday | 15/Apr/14 | 25,166 | 85,232 | 117,162 |
| Wednesday | 16/Apr/14 | 25,163 | 93,232 | 119,748 |
| Thursday | 17/Apr/14 | 25,168 | 96,586 | 112,058 |
| Friday | 18/Apr/14 | 25,169 | 88,597 | 112,639 |
| Saturday | 19/Apr/14 | 25,174 | 85,034 | 110,884 |
| Sunday | 20/Apr/14 | 25,169 | 84,985 | 113,086 |
| Monday | 21/Apr/14 | 25,164 | 92,177 | 122,752 |
| Tuesday | 22/Apr/14 | 25,161 | 92,693 | 117,178 |
| Wednesday | 23/Apr/14 | 25,151 | 95,755 | 121,131 |
| Thursday | 24/Apr/14 | ***25,570*** | 99,908 | 121,420 |
| Friday | 25/Apr/14 | 25,119 | 95,240 | 116,074 |
| Saturday | 26/Apr/14 | 25,123 | 87,519 | 115,123 |
| Sunday | 27/Apr/14 | 25,121 | 95,827 | 122,752 |
| Monday | 28/Apr/14 | 25,113 | 97,498 | 120,807 |
| Tuesday | 29/Apr/14 | 25,116 | 93,882 | 117,870 |
| Wednesday | 30/Apr/14 | 25,113 | 92,748 | 117,710 |
| **April 2014 Monthly Max** | | 25,570 | 109,618 | 125,788 |
| **April 2014 Monthly Average** | | 25,172 | 93,025 | 118,290 |
| **April 2014 Total** | | 755,169 | 2,790,746 | 3,548,695 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Thursday | 1/May/14 | 22,711 | 96,583 | 120,422 |
| Friday | 2/May/14 | 22,723 | 104,204 | 129,632 |
| Saturday | 3/May/14 | 19,613 | 104,570 | 121,703 |
| Sunday | 4/May/14 | 22,705 | 101,124 | 122,702 |
| Monday | 5/May/14 | 22,723 | 101,304 | 123,576 |
| Tuesday | 6/May/14 | 22,705 | 100,986 | 121,661 |
| Wednesday | 7/May/14 | 22,708 | 93,394 | 118,583 |
| Thursday | 8/May/14 | 22,714 | 85,884 | 116,941 |
| Friday | 9/May/14 | 22,710 | 117,760 | 129,195 |
| Saturday | 10/May/14 | 0 | 109,805 | 107,776 |
| Sunday | 11/May/14 | ***25,829*** | 96,673 | 120,473 |
| Monday | 12/May/14 | 7,503 | 96,370 | 119,657 |
| Tuesday | 13/May/14 | 25,130 | 93,869 | 109,979 |
| Wednesday | 14/May/14 | 25,136 | 88,673 | 114,711 |
| Thursday | 15/May/14 | 25,132 | 92,562 | 116,341 |
| Friday | 16/May/14 | 25,135 | 100,874 | 126,911 |
| Saturday | 17/May/14 | 25,127 | 108,646 | ***131,969*** |
| Sunday | 18/May/14 | 0 | ***120,649*** | 123,581 |
| Monday | 19/May/14 | 0 | 108,160 | 114,699 |
| Tuesday | 20/May/14 | 25,133 | 96,709 | 122,293 |
| Wednesday | 21/May/14 | 25,139 | 96,703 | 118,459 |
| Thursday | 22/May/14 | 25,151 | 96,398 | 118,167 |
| Friday | 23/May/14 | 25,170 | 99,862 | 125,709 |
| Saturday | 24/May/14 | 18,820 | 103,997 | 121,689 |
| Sunday | 25/May/14 | 25,205 | 101,210 | 123,484 |
| Monday | 26/May/14 | 25,202 | 97,282 | 123,160 |
| Tuesday | 27/May/14 | 25,215 | 97,272 | 122,487 |
| Wednesday | 28/May/14 | 25,000 | 92,754 | 116,627 |
| Thursday | 29/May/14 | 25,000 | 89,213 | 116,242 |
| Friday | 30/May/14 | 25,000 | 96,721 | 123,751 |
| Saturday | 31/May/14 | 25,000 | 99,198 | 118,786 |
| **May 2014 Monthly Max** | | 25,829 | 120,649 | 131,969 |
| **May 2014 Monthly Average** | | 21,088 | 99,761 | 120,698 |
| **May 2014 Total** | | 632,628 | 2,992,826 | 3,620,944 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Sunday | 1/Jun/14 | 22,614 | 119,370 | 147,589 |
| Monday | 2/Jun/14 | 22,714 | 124,035 | 135,525 |
| Tuesday | 3/Jun/14 | ***22,859*** | 101,830 | 131,488 |
| Wednesday | 4/Jun/14 | 18,288 | 120,457 | 131,946 |
| Thursday | 5/Jun/14 | 22,715 | 110,235 | 133,247 |
| Friday | 6/Jun/14 | 22,711 | 110,277 | 134,767 |
| Saturday | 7/Jun/14 | 22,705 | 114,303 | 138,487 |
| Sunday | 8/Jun/14 | 22,709 | 101,974 | 129,992 |
| Monday | 9/Jun/14 | 22,717 | 109,225 | 146,608 |
| Tuesday | 10/Jun/14 | 22,704 | 117,814 | 139,934 |
| Wednesday | 11/Jun/14 | 22,705 | 113,479 | 136,476 |
| Thursday | 12/Jun/14 | 22,701 | 123,631 | 130,778 |
| Friday | 13/Jun/14 | 22,675 | 112,660 | 119,931 |
| Saturday | 14/Jun/14 | 22,705 | 100,255 | 123,855 |
| Sunday | 15/Jun/14 | 22,715 | 105,410 | 137,915 |
| Monday | 16/Jun/14 | 22,704 | 114,516 | 147,241 |
| Tuesday | 17/Jun/14 | 22,706 | 128,230 | 143,274 |
| Wednesday | 18/Jun/14 | 22,697 | 119,093 | 133,797 |
| Thursday | 19/Jun/14 | 22,715 | 110,516 | 137,976 |
| Friday | 20/Jun/14 | 22,712 | 109,924 | 134,115 |
| Saturday | 21/Jun/14 | 22,715 | 110,612 | 141,878 |
| Sunday | 22/Jun/14 | 22,701 | 127,440 | ***155,715*** |
| Monday | 23/Jun/14 | 22,696 | ***135,823*** | 139,356 |
| Tuesday | 24/Jun/14 | 22,706 | 106,381 | 129,680 |
| Wednesday | 25/Jun/14 | 22,710 | 105,688 | 130,771 |
| Thursday | 26/Jun/14 | 22,693 | 114,175 | 136,275 |
| Friday | 27/Jun/14 | 22,695 | 114,695 | 137,687 |
| Saturday | 28/Jun/14 | 22,692 | 114,418 | 137,703 |
| Sunday | 29/Jun/14 | 22,675 | 118,078 | 128,867 |
| Monday | 30/Jun/14 | 22,698 | 91,541 | 132,914 |
| **June 2014 Monthly Max** | | 22,859 | 135,823 | 155,715 |
| **June 2014 Monthly Average** | | 22,558 | 113,536 | 136,193 |
| **June 2014 Total** | | 676,752 | 3,406,085 | 4,085,787 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Tuesday | 1/Jul/14 | 22,705 | 100,736 | 136,651 |
| Wednesday | 2/Jul/14 | 22,692 | 122,603 | 137,675 |
| Thursday | 3/Jul/14 | 22,696 | 126,510 | 133,564 |
| Friday | 4/Jul/14 | 22,718 | 109,454 | 139,864 |
| Saturday | 5/Jul/14 | 22,705 | 114,175 | 143,364 |
| Sunday | 6/Jul/14 | 22,711 | ***133,714*** | ***144,029*** |
| Monday | 7/Jul/14 | 22,721 | 111,524 | 129,202 |
| Tuesday | 8/Jul/14 | 22,708 | 101,587 | 123,999 |
| Wednesday | 9/Jul/14 | 22,707 | 96,891 | 130,259 |
| Thursday | 10/Jul/14 | 22,705 | 114,527 | 134,578 |
| Friday | 11/Jul/14 | 22,698 | 114,272 | 134,302 |
| Saturday | 12/Jul/14 | 22,691 | 114,340 | 129,014 |
| Sunday | 13/Jul/14 | 22,705 | 101,648 | 134,149 |
| Monday | 14/Jul/14 | 22,708 | 108,239 | 135,080 |
| Tuesday | 15/Jul/14 | 22,691 | 114,876 | 128,392 |
| Wednesday | 16/Jul/14 | 22,706 | 106,170 | 130,952 |
| Thursday | 17/Jul/14 | 22,706 | 109,863 | 138,488 |
| Friday | 18/Jul/14 | 30,798 | 93,910 | 135,305 |
| Saturday | 19/Jul/14 | 29,524 | 94,412 | 115,109 |
| Sunday | 20/Jul/14 | 29,976 | 92,479 | 128,349 |
| Monday | 21/Jul/14 | 30,123 | 92,775 | 142,469 |
| Tuesday | 22/Jul/14 | 30,110 | 106,661 | 138,802 |
| Wednesday | 23/Jul/14 | 30,089 | 109,802 | 127,959 |
| Thursday | 24/Jul/14 | 30,089 | 113,938 | 132,593 |
| Friday | 25/Jul/14 | 39,972 | 89,173 | 130,322 |
| Saturday | 26/Jul/14 | 40,161 | 89,249 | 128,233 |
| Sunday | 27/Jul/14 | 40,306 | 96,586 | 130,992 |
| Monday | 28/Jul/14 | ***48,932*** | 78,507 | 124,190 |
| Tuesday | 29/Jul/14 | 38,927 | 78,783 | 129,796 |
| Wednesday | 30/Jul/14 | 23,189 | 104,452 | 131,748 |
| Thursday | 31/Jul/14 | 23,175 | 112,467 | 127,123 |
| **July 2014 Monthly Max** | | 48,932 | 133,714 | 144,029 |
| **July 2014 Monthly Average** | | 27,463 | 104,978 | 132,469 |
| **July 2014 Total** | | 851,344 | 3,254,323 | 4,106,552 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Friday | 1/Aug/14 | 40,134 | 77,281 | 124,174 |
| Saturday | 2/Aug/14 | 40,065 | 79,373 | 118,265 |
| Sunday | 3/Aug/14 | 40,058 | 88,342 | 120,159 |
| Monday | 4/Aug/14 | 40,489 | 84,415 | 132,264 |
| Tuesday | 5/Aug/14 | 41,175 | 88,787 | 124,667 |
| Wednesday | 6/Aug/14 | 40,246 | 88,856 | 130,872 |
| Thursday | 7/Aug/14 | 40,173 | 88,674 | 138,240 |
| Friday | 8/Aug/14 | ***42,470*** | 98,942 | 132,609 |
| Saturday | 9/Aug/14 | 30,639 | 105,500 | 131,419 |
| Sunday | 10/Aug/14 | 30,341 | ***115,564*** | ***139,994*** |
| Monday | 11/Aug/14 | 30,376 | 69,761 | 128,325 |
| Tuesday | 12/Aug/14 | 30,359 | 105,106 | 124,951 |
| Wednesday | 13/Aug/14 | 30,352 | 100,474 | 127,305 |
| Thursday | 14/Aug/14 | 30,347 | 98,600 | 124,540 |
| Friday | 15/Aug/14 | 30,346 | 99,406 | 124,737 |
| Saturday | 16/Aug/14 | 30,283 | 105,122 | 115,202 |
| Sunday | 17/Aug/14 | 30,340 | 84,969 | 125,146 |
| Monday | 18/Aug/14 | 30,347 | 89,040 | 132,998 |
| Tuesday | 19/Aug/14 | 25,670 | 109,700 | 133,305 |
| Wednesday | 20/Aug/14 | 28,662 | 86,147 | 121,878 |
| Thursday | 21/Aug/14 | 30,364 | 93,382 | 129,907 |
| Friday | 22/Aug/14 | 30,356 | 107,541 | 128,502 |
| Saturday | 23/Aug/14 | 30,350 | 96,092 | 121,722 |
| Sunday | 24/Aug/14 | 22,380 | 112,718 | 135,983 |
| Monday | 25/Aug/14 | 25,844 | 105,975 | 130,639 |
| Tuesday | 26/Aug/14 | 30,355 | 101,950 | 137,025 |
| Wednesday | 27/Aug/14 | 30,360 | 103,996 | 134,946 |
| Thursday | 28/Aug/14 | 30,351 | 111,659 | 134,931 |
| Friday | 29/Aug/14 | 30,361 | 98,174 | 137,379 |
| Saturday | 30/Aug/14 | 30,358 | 98,246 | 131,245 |
| Sunday | 31/Aug/14 | 30,363 | 106,168 | 137,704 |
| **August 2014 Monthly Max** | | 42,470 | 115,564 | 139,994 |
| **August 2014 Monthly Average** | | 32,397 | 96,773 | 129,388 |
| **August 2014 Total** | | 1,004,314 | 2,999,960 | 4,011,033 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Monday | 1/Sep/14 | 19,876 | 119,474 | 141,991 |
| Tuesday | 2/Sep/14 | 19,876 | 108,665 | 128,834 |
| Wednesday | 3/Sep/14 | 19,873 | 117,984 | 134,630 |
| Thursday | 4/Sep/14 | 19,871 | ***127,494*** | 138,539 |
| Friday | 5/Sep/14 | 19,877 | 113,594 | 126,080 |
| Saturday | 6/Sep/14 | 19,881 | 99,134 | 120,202 |
| Sunday | 7/Sep/14 | 19,878 | 108,568 | 135,535 |
| Monday | 8/Sep/14 | 19,855 | 118,626 | 135,531 |
| Tuesday | 9/Sep/14 | 19,858 | 113,821 | 130,133 |
| Wednesday | 10/Sep/14 | 19,898 | 116,996 | ***146,930*** |
| Thursday | 11/Sep/14 | 5,671 | 107,661 | 125,926 |
| Friday | 12/Sep/14 | ***30,190*** | 112,859 | 117,453 |
| Saturday | 13/Sep/14 | 19,879 | 100,494 | 117,110 |
| Sunday | 14/Sep/14 | 19,858 | 99,537 | 119,395 |
| Monday | 15/Sep/14 | 19,949 | 106,612 | 132,494 |
| Tuesday | 16/Sep/14 | 19,937 | 113,392 | 125,317 |
| Wednesday | 17/Sep/14 | 19,932 | 98,759 | 128,481 |
| Thursday | 18/Sep/14 | 19,866 | 98,218 | 130,745 |
| Friday | 19/Sep/14 | 19,950 | 101,704 | 124,295 |
| Saturday | 20/Sep/14 | 19,928 | 108,263 | 126,724 |
| Sunday | 21/Sep/14 | 19,957 | 101,702 | 130,139 |
| Monday | 22/Sep/14 | 19,929 | 115,731 | 127,473 |
| Tuesday | 23/Sep/14 | 19,951 | 118,009 | 128,846 |
| Wednesday | 24/Sep/14 | 19,975 | 103,432 | 127,534 |
| Thursday | 25/Sep/14 | 19,955 | 114,414 | 126,702 |
| Friday | 26/Sep/14 | 19,954 | 107,862 | 122,191 |
| Saturday | 27/Sep/14 | 19,960 | 103,531 | 121,711 |
| Sunday | 28/Sep/14 | 19,967 | 102,503 | 128,696 |
| Monday | 29/Sep/14 | 19,969 | 103,934 | 127,737 |
| Tuesday | 30/Sep/14 | 19,962 | 98,671 | 121,878 |
| **September 2014 Monthly Max** | | 30,190 | 127,494 | 146,930 |
| **September 2014 Monthly Average** | | 19,783 | 108,721 | 128,308 |
| **September 2014 Total** | | 593,482 | 3,261,644 | 3,849,252 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Wednesday | 1/Oct/14 | 19,959 | 104,303 | 123,377 |
| Thursday | 2/Oct/14 | 19,866 | 105,033 | 126,079 |
| Friday | 3/Oct/14 | 16,500 | 104,103 | 115,883 |
| Saturday | 4/Oct/14 | 17,381 | 99,315 | 112,858 |
| Sunday | 5/Oct/14 | 17,382 | 104,583 | 121,372 |
| Monday | 6/Oct/14 | 17,385 | 99,908 | 117,293 |
| Tuesday | 7/Oct/14 | 17,384 | 99,847 | 116,638 |
| Wednesday | 8/Oct/14 | 17,383 | 99,835 | 118,404 |
| Thursday | 9/Oct/14 | 17,384 | 100,352 | 121,279 |
| Friday | 10/Oct/14 | 17,380 | 99,182 | 111,240 |
| Saturday | 11/Oct/14 | 17,333 | 96,620 | 110,097 |
| Sunday | 12/Oct/14 | 17,384 | 91,051 | 106,358 |
| Monday | 13/Oct/14 | 17,384 | 96,177 | 115,307 |
| Tuesday | 14/Oct/14 | 44,463 | 75,522 | ***128,609*** |
| Wednesday | 15/Oct/14 | ***72,196*** | 39,754 | 119,028 |
| Thursday | 16/Oct/14 | 4,080 | 106,693 | 115,174 |
| Friday | 17/Oct/14 | 17,386 | ***107,654*** | 110,903 |
| Saturday | 18/Oct/14 | 17,382 | 86,530 | 111,290 |
| Sunday | 19/Oct/14 | 17,382 | 105,049 | 119,481 |
| Monday | 20/Oct/14 | 17,381 | 105,331 | 121,237 |
| Tuesday | 21/Oct/14 | 17,385 | 90,231 | 113,516 |
| Wednesday | 22/Oct/14 | 17,385 | 100,419 | 117,804 |
| Thursday | 23/Oct/14 | 17,283 | 104,333 | 118,961 |
| Friday | 24/Oct/14 | 17,524 | 100,545 | 113,645 |
| Saturday | 25/Oct/14 | 17,369 | 91,318 | 113,111 |
| Sunday | 26/Oct/14 | 17,372 | 104,569 | 118,696 |
| Monday | 27/Oct/14 | 17,375 | 104,660 | 116,116 |
| Tuesday | 28/Oct/14 | 17,373 | 100,383 | 117,460 |
| Wednesday | 29/Oct/14 | 17,368 | 94,636 | 116,745 |
| Thursday | 30/Oct/14 | 17,370 | 99,210 | 116,580 |
| Friday | 31/Oct/14 | 17,368 | 95,080 | 106,817 |
| **October 2014 Monthly Max** | | 72,196 | 107,654 | 128,609 |
| **October 2014 Monthly Average** | | 19,727 | 97,169 | 116,495 |
| **October 2014 Total** | | 611,547 | 3,012,226 | 3,611,358 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Saturday | 1/Nov/14 | ***17,363*** | 96,485 | 114,144 |
| Sunday | 2/Nov/14 | 17,358 | 90,793 | 119,385 |
| Monday | 3/Nov/14 | 17,359 | 99,709 | 113,823 |
| Tuesday | 4/Nov/14 | 17,353 | 99,581 | 115,459 |
| Wednesday | 5/Nov/14 | 17,350 | 99,527 | 115,698 |
| Thursday | 6/Nov/14 | 17,276 | 99,538 | 113,852 |
| Friday | 7/Nov/14 | 17,353 | 90,125 | 110,440 |
| Saturday | 8/Nov/14 | 17,351 | 95,073 | 110,649 |
| Sunday | 9/Nov/14 | 17,351 | 109,131 | 119,363 |
| Monday | 10/Nov/14 | 0 | 100,228 | 112,071 |
| Tuesday | 11/Nov/14 | 17,283 | 90,969 | 114,147 |
| Wednesday | 12/Nov/14 | 17,351 | 99,893 | 115,184 |
| Thursday | 13/Nov/14 | 17,351 | 105,028 | 115,890 |
| Friday | 14/Nov/14 | 16,213 | 96,066 | 109,912 |
| Saturday | 15/Nov/14 | 16,218 | 91,046 | 111,695 |
| Sunday | 16/Nov/14 | 16,215 | 103,844 | 118,290 |
| Monday | 17/Nov/14 | 16,216 | 89,130 | 117,121 |
| Tuesday | 18/Nov/14 | 16,214 | 99,248 | ***119,862*** |
| Wednesday | 19/Nov/14 | 16,219 | 105,539 | 117,358 |
| Thursday | 20/Nov/14 | 16,201 | 89,861 | 116,297 |
| Friday | 21/Nov/14 | 16,151 | 100,028 | 114,721 |
| Saturday | 22/Nov/14 | 16,140 | 108,732 | 109,629 |
| Sunday | 23/Nov/14 | 16,145 | ***113,964*** | 115,909 |
| Monday | 24/Nov/14 | 17,214 | 90,366 | 114,402 |
| Tuesday | 25/Nov/14 | 16,146 | 91,887 | 115,411 |
| Wednesday | 26/Nov/14 | 16,142 | 95,985 | 113,897 |
| Thursday | 27/Nov/14 | 16,152 | 100,021 | 114,698 |
| Friday | 28/Nov/14 | 16,146 | 95,801 | 109,882 |
| Saturday | 29/Nov/14 | 16,146 | 85,075 | 109,457 |
| Sunday | 30/Nov/14 | 16,143 | 81,581 | 114,068 |
| **November 2014 Monthly Max** | | 17,363 | 113,964 | 119,862 |
| **November 2014 Monthly Average** | | 16,137 | 97,142 | 114,424 |
| **November 2014 Total** | | 484,120 | 2,914,254 | 3,432,714 |

| DAY | DATE | ELGIN PUMPAGE (m3) | ARVA PUMPAGE (m3) | TOTAL LONDON CONSUMPTION (m3) |
|---|---|---|---|---|
| **Rated Capacity** | **-** | **95,800 m3 / day** | **318,000 m3 / day** | **413,800 m3 / day** |
| Monday | 1/Dec/14 | 16,142 | 104,535 | 114,721 |
| Tuesday | 2/Dec/14 | 16,229 | ***105,365*** | 115,055 |
| Wednesday | 3/Dec/14 | 16,230 | 103,719 | 116,115 |
| Thursday | 4/Dec/14 | 16,226 | 99,998 | 117,577 |
| Friday | 5/Dec/14 | 16,228 | 103,749 | 108,703 |
| Saturday | 6/Dec/14 | ***16,231*** | 90,380 | 112,248 |
| Sunday | 7/Dec/14 | ***16,231*** | 99,787 | ***119,400*** |
| Monday | 8/Dec/14 | 16,229 | 99,055 | 114,608 |
| Tuesday | 9/Dec/14 | 15,257 | 105,156 | 113,423 |
| Wednesday | 10/Dec/14 | 15,257 | 95,602 | 116,045 |
| Thursday | 11/Dec/14 | 15,256 | 95,181 | 112,692 |
| Friday | 12/Dec/14 | 15,257 | 95,131 | 107,006 |
| Saturday | 13/Dec/14 | 15,255 | 91,238 | 107,169 |
| Sunday | 14/Dec/14 | 15,259 | 99,805 | 113,711 |
| Monday | 15/Dec/14 | 15,256 | 94,693 | 110,851 |
| Tuesday | 16/Dec/14 | 15,255 | 104,590 | 112,630 |
| Wednesday | 17/Dec/14 | 15,255 | 94,667 | 113,079 |
| Thursday | 18/Dec/14 | 15,254 | 96,068 | 112,223 |
| Friday | 19/Dec/14 | 15,255 | 86,289 | 111,015 |
| Saturday | 20/Dec/14 | 15,256 | 91,641 | 110,053 |
| Sunday | 21/Dec/14 | 15,254 | 99,986 | 108,025 |
| Monday | 22/Dec/14 | 15,255 | 99,787 | 109,405 |
| Tuesday | 23/Dec/14 | 15,253 | 91,689 | 107,844 |
| Wednesday | 24/Dec/14 | 15,251 | 69,363 | 98,819 |
| Thursday | 25/Dec/14 | 15,256 | 76,657 | 91,011 |
| Friday | 26/Dec/14 | 15,257 | 85,841 | 95,010 |
| Saturday | 27/Dec/14 | 15,255 | 90,515 | 97,878 |
| Sunday | 28/Dec/14 | 15,258 | 85,958 | 105,050 |
| Monday | 29/Dec/14 | 15,256 | 90,872 | 112,216 |
| Tuesday | 30/Dec/14 | 15,256 | 95,487 | 113,899 |
| Wednesday | 31/Dec/14 | 15,254 | 91,528 | 111,292 |
| **December 2014 Monthly Max** | | 16,231 | 105,365 | 119,400 |
| **December 2014 Monthly Average** | | 15,504 | 94,656 | 109,960 |
| **December 2014 Total** | | 480,623 | 2,934,332 | 3,408,773 |