



**PUBLIC WORKS SERVICES**

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Appendix A

January 20, 2012

**2011 ANNUAL WATER QUALITY REPORT**

*Ontario's Drinking Water Systems Regulation (O.Reg. 170/03), made under the Safe Drinking Water Act, 2002 requires that the owner of a municipal drinking water system prepare an annual report on the operation of the system and the quality of its water.*

*Regulation (O.Reg. 170/30) requires that for the year 2011 the annual report will consist of quality reports dated from January 1, 2011 to December 31, 2011.*

*Reports are available for viewing on the Town's website, [www.newmarket.ca](http://www.newmarket.ca), at the counter of the Town of Newmarket Operations Centre, 1275 Maple Hill Court, and at the Community Services Commission, Engineering Services Department in the Municipal Offices at 395 Mulock Drive, Newmarket, Ontario. Annual water quality reports are also published by the Region of York on their website, which can be found at [www.york.ca](http://www.york.ca).*

*Any questions related to the Town's water system, this Report, or any water quality issue may be directed to the Overall Responsible Operator, Bill Wilson, Supervisor of Water/Wastewater Operations, Public Works Services Department at 905-953-5300 ext. 2553, by email at [bwilson@newmarket.ca](mailto:bwilson@newmarket.ca) or by mail to:*

*Town of Newmarket Operations Centre  
1275 Maple Hill Court  
Newmarket, ON  
L3Y 9E8*

*The Town of Newmarket owns and maintains the Town's water distribution network, which is comprised of approximately 292 kilometres of watermain, 2466 mainline valves, 2376 fire hydrants, and 25,876 metered water services.*

*Our source of water is primarily ground water supplied from wells owned and operated by the Region of York. Approximately 30% of our water supply is blended water (ground/surface water) being conveyed from the Town of Aurora through three interface connections along our southern boundary with a fourth*

*interconnection scheduled for the spring of 2012. The purpose of blending is to decrease the demand on the underground aquifer and provide additional security by having a second supply source to supplement the needs of our rapidly growing community. Regional storage reservoirs located throughout the Town provide additional storage and fire protection. Certified operators licensed by the Province of Ontario through the Ministry of Environment maintain the water distribution system of the Town of Newmarket.*

*Water treatment for the Town of Newmarket is provided by the Region of York through the process of chloramination (adding chlorine and ammonia).*

*The York-Durham Regional Environmental Laboratory in Pickering, an accredited laboratory registered with the Canadian Association of Environmental Analytical Laboratories (CAEAL), is under contract with the Town of Newmarket for water quality analysis of all water samples sent to them. This accredited laboratory meets or exceeds the stringent microbiology parameters that are in place for all drinking water systems in today's society.*

*Water samples are collected at various locations in town through the use of sample stations. This practice assures that samples are being drawn at locations which are representative of the water in the distribution system.*

*Newmarket's sampling numbers fall within the Provincial guidelines servicing populations of 100,000 or fewer. These guidelines require that a minimum of 8 samples per month plus one sample per 1,000 people be taken. At a population of 83,166 as determined from Statistics Canada the Town was required to take a minimum of 91 monthly samples in 2011. Newmarket is currently averaging 92 samples monthly, resulting in an average of 23 samples being taken per week.*

*The Town's sampling program searches for any adverse conditions that may be in the water drawn from sample stations. Newmarket's water sample results have historically been excellent. On rare occasion, where a presence of bacteria or other adverse condition is detected, re-testing is carried out to determine if the adverse condition was a result of the sampling procedure or of the water quality itself. Regardless of the result, town staff immediately employs corrective actions. This would include flushing of the system and additional samples/tests being carried out both upstream and downstream of the suspected area. Any other measures would be at the direction of the Ministry of Environment Spills Action Centre and/or the Medical Officer of Health as stated in **0.Reg. 170/03** under the Ontario's Drinking Water Protection Regulation.*

The following is a list of all parameters sampled in 2011 including Microbiological, Organics, Inorganics, Disinfectant Residuals, and all exceedances reported as required by O.Reg. 170/03 of the Safe Drinking Water Act.

### MICROBIOLOGICAL PARAMETERS

Parameter	Regulated Limit	Number of Samples	Sampling Dates	Number of Detectable Results	Samples Exceeding Limit	Reported Exceedances
Heterotrophic Plate Count / HPC	*no current standards	548	Jan 10, 2011- Dec 12, 2011	134	0	n/a
Total coliforms (MPN / PA)	0 MAC	1193	January 1 – December 31, 2011	2	2	2 See reported exceedances #5 & #7
Escherichia coli / E. coli (MPN / PA)	0 MAC	1193	Jan. 1 – Dec. 31, 2011	0	0	n/a

### ORGANICS

Parameter	Regulated Limit	Number of Samples	Sampling Dates	Number of Detectable Results	Samples Exceeding Limit	Reported Exceedances
Bromodichloromethane	*no current standards	3	02/07/11 10/31/11 12/20/11	3	0 (avg. 0.0057 mg/L)	n/a
Bromoform	(one of the four trihalomethanes that make up the total trihalomethanes) (TTHMs)	3	02/07/11 10/31/11 12/20/11	2	0 (avg. 0.0004 mg/L)	n/a
Calcium	*no current standards	105	1/10/11- 12/19/11	105	0 (avg. 30.078 mg/L)	n/a
Total Trihalomethanes (TTHM)	0.100 mg/L	3	02/07/11 10/31/11 12/20/11	3	0 (avg. 0.018 mg/L)	n/a

**INORGANICS**

Parameter	Regulated Limit	Number of Samples	Sampling Dates	Number of Detectable Results	Samples Exceeding Limit	Reported Exceedances
Alkalinity (total as CaCO <sub>3</sub> )	<i>Operational Guideline</i> 30-500 mg/L	41	1/13/11- 10/14/11	41	0 (avg. 181.171 mg/L)	n/a
Ammonia (total, as N)	<i>*no current standards</i>	105	1/10/11- 12/19/11	105	0 (avg. 0.324 mg/L)	n/a
Chloride	<i>Aesthetic Objective (AO)</i> 250mg/L	105	1/10/11- 12/19/11	105	0 (avg. 18.919 mg/L)	n/a
Chloroform	<i>(one of the four trihalomethanes that make up the total trihalomethanes) (TTHMs)</i>	3	02/07/11 10/31/11 12/20/11	3	0 (avg. 0.0103mg/L)	n/a
Dibromochloromethane	<i>(one of the four trihalomethanes that make up the total trihalomethanes) (TTHMs)</i>	3	02/07/11 10/31/11 12/20/11	3	0 (avg. 0.0027 mg/L)	n/a
Fluoride	1.5mg/L	105	1/10/11- 12/19/11	105	0 (avg. 0.230 mg/L)	n/a
Hardness (total, as CaCO <sub>3</sub> )	<i>Operational Guideline</i> 80-100 mg/L	105	1/10/11- 12/19/11	105	72 (avg. 155.829 mg/L)	*80-100 mg/L is an operational guideline only. These exceedances are non-reportable.
Lead (total) Distribution System Samples	0.01mg/L	41	1/13/11- 10/14/11	41	1 (avg. 0.0005 mg/L)	*see Reported Exceedances #1
Lead (total) Residential / Non-Residential Samples	0.01mg/L	97	1/13/11- 10/14/11	97	0 (avg. 0.0006 mg/L)	n/a
Magnesium (total)	<i>*no current standards</i>	105	1/10/11- 12/19/11	105	0 (avg. 14.145 mg/L)	n/a
Nitrate (as N)	10 mg/L (as nitrogen)	105	1/10/11- 12/19/11	104	0 (avg. 0.157 mg/L)	n/a
Nitrite (as N)	1.0 mg/L (as nitrogen)	105	1/10/11- 12/19/11	59	0 (avg. 0.021 mg/L)	n/a
o-Phosphate (as P)	<i>*no current standards</i>	105	1/10/11- 12/19/11	4	0 (avg. 0.020 mg/L)	n/a
pH	<i>Operational Guideline</i> 6.5 - 8.5	605	1/4/11- 12/19/11	605	118 (avg. 8.114)	6.5 – 8.5 is an operational guideline only. These exceedances are non-reportable.
Potassium (total)	<i>*no current standards</i>	105	1/10/11- 12/19/11	105	0 (avg. 1.050 mg/L)	n/a

Sodium (total)	Aesthetic Objective (AO) 200mg/L  Indicator of Adverse Quality 20 mg/L	106	1/10/11- 12/19/11	106	34 (avg. 18.237 mg/L)	*see notes on Sodium in Drinking Water at end of report
Sulphate	Aesthetic Objective (AO) 500mg/L	105	1/10/11- 12/19/11	105	0 (avg. 11.663 mg/L)	n/a

### **DISINFECTANT RESIDUAL MONITORING**

Parameter	Minimum Regulated Limit	Number of Samples	Number of Detectable Results	Range	Samples exceeding limit	Reported Exceedances
Chloramines (as combined chlorine)	0.25mg/L	4603	4603	0.01–2.20 mg/L 1.377 mg/L Average	42	*see Reported Exceedances attached

***\*Please refer to the “York Region Water Quality Report” @ [www.york.ca](http://www.york.ca) for more detailed information on treated water quality in Newmarket.***

### **Reported Exceedances**

1. 2011/01/25 (AWQI 99770)

- Sample Location: Hydrant at 333 Fred Evans Court
- Adverse Combined Residual (Result 0.22 mg/L)
- Regulated standard is 0.25 mg/L
- Exceedence was reported to Region of York Medical Officer of Health, as well as Ministry of the Environment Spills Action Centre
- Flushed and Resampled location. Results came back within regulated standard (0.25 mg/L).
- Resolution notice issued to MOE Spills Action Centre and York Region Medical Officer of Health 2011/01/26

2. 2011/02/03 (AWQI 99877)

- Sample Location: Sample Station fronting 18100 Yonge St.
- Adverse Combined Residual (Results 0.16 mg/L).
- Regulated standard is 0.25 mg/L
- Flushed the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/02/04

3. 2011/02/16 (AWQI 99979)

- Sample Location: Hydrant fronting 18100 Yonge Street
- Adverse Chlorine Residual (Result 0.04 mg/L)
- Regulated standard is 0.25 mg/L
- Flushed the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/02/17

4. 2011/03/08 (AWQI 100162)

- Sample Location: Sample Station 19 on Ford Wilson Blvd
- Sodium Exceedance (Result 21 mg/L)
- Regulated standard is 20 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/03/17

5. 2011/03/14 (AWQI 100232)

- Sample Location: Hydrant fronting 535 Malvern Cres.
- Positive for Total Coliform (Result Present)
- Regulated standard is Absent
- Flush the system and resampled at same location, upstream and downstream
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/03/18

6. 2011/03/22 (AWQI 100276)

- Sample Location: Hydrant fronting Sample Station 24 2 18100 Yonge St
- Adverse Combined Residual (Result 0.01 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/03/22

7. 2011/04/04 (AWQI 100439)

- Sample Location: Sample Station 10 @ Lindsay Ave adjacent 175 Penn Ave
- Positive for Total Coliform (Result Present)
- Regulated standard is Absent
- Flush the system and resampled at same location, upstream and downstream
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/04/11

8. 2011/04/20 (AWQI 100610)

- Sample Location: Hydrant at NW corner of Bristol Rd and Dorchester
- Adverse Combined Residual (Result 0.16 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/04/20

9. 2011/05/16 (AWQI 100881)

- Sample Location: Hydrant at 415 Roywood Crescent
- Adverse Combined Residual (Result 0.14 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/05/19

10. 2011/05/31 (AWQI 101099)

- Sample Location: Hydrant fronting 459 Chester Ave
- Adverse Combined Residual (Result 0.02 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/05/31

11. 2011/06/01 (AWQI 101129)

- Sample Location: Hydrant at 301 Billings Crescent
- Adverse Chlorine Residual (Result 0.05 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/01

12. 2011/06/06 (AWQI 101189)

- Sample Location: Hydrant at 573 Roeder Court
- Adverse Combined Residual (Result 0.15 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/06

13. 2011/06/07 (AWQI 101200)

- Sample Location: Hydrant at 371 Gaston Place
- Adverse Combined Residual (Result 0.20 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/07

14. 2011/06/07 (AWQI 101220)

- Sample Location: Hydrant College Manor and Mulock Drive
- Adverse Combined Residual (Result 0.23 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/07

15. 2011/06/24 (AWQI 101587)

- Sample Location: Hydrant opposite 372 Bristol Rd
- Adverse Combined Residual (Result 0.15 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/24

16. 2011/06/27 (AWQI 101614)

- Sample Location: Sample Station 27 opposite 700 College Manor Dr
- Adverse Combined Residual (Result 0.17 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/28

17. 2011/06/27 (AWQI 101617)

- Sample Location: Sample Station 08 adjacent 238 Lorne Avenue
- Adverse Combined Residual (Result 0.14 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/28



18. 2011/06/28 (AWQI 101636)

- Sample Location: Hydrant 171 Lorne Avenue
- Adverse Combined Residual (Result 0.19 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/29

19. 2011/06/28 (AWQI 101640)

- Sample Location: Hydrant at 361 Eagle & 16900 Bayview
- Adverse Combined Residual (Result 0.18 mg/L & 0.07 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/28

20. 2011/06/28 (AWQI 101648)

- Sample Location: Hydrant at 371 Gaston Place
- Adverse Combined Residual (Result 0.23 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/29

21. 2011/06/30 (AWQI 101709)

- Sample Location: Hydrant at 85 Forest Glen
- Adverse Combined Residual (Result 0.12 mg/L)
- Regulated standard is 0.25mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/06/30

22. 2011/07/11 (AWQI 101907)

- Sample Location: Hydrant opposite 692 College Manor Drive
- Adverse Combined Residual (Result 0.21 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/07/12

23. 2011/07/19 (AWQI 102085)

- Sample Location: Hydrant opposite 609 Pearson St
- Adverse Combined Residual (Result 0.21 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/07/19

24. 2011/07/21 (AWQI 102141)

- Sample Location: Hydrant fronting 307 Bristol Road
- Adverse Combined Residual (Result 0.10 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/07/21

25. 2011/07/25 (AWQI 102210)

- Sample Location: Sample Station opposite 700 College Manor Dr
- Adverse: Combined Residual ( Result 0.17 mg/L)
- Regulated standard is 0.25 mg/L
- Flushed and resampled.
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/07/25

26. 2011/08/02 (AWQI 102414)

- Sample Location: Sample Station adjacent 238 Lorne Avenue
- Adverse Combined Residual (Result 0.16 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/08/02

27. 2011/08/09 (AWQI 102600)

- Sample Location: Hydrant Bristol Rd at Dorchester Crt
- Adverse Combined Residual (Result 0.01 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/08/09

28. 2011/08/18 (AWQI 102824)

- Sample Location: Hydrant opposite 598 Walpole
- Adverse Combined Residual (Result 0.11 mg/L)
- Regulated standard is 0.25 mg/L
- Flushed and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/08/18

29. 2011/08/22 (AWQI 102890)

- Sample Location: Hydrant fronting Hydrant at 463 Chester Avenue
- Adverse Combined Residual (Result 0.13 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/08/23

30. 2011/08/25 (AWQI 102971)

- Sample Location: Hydrant at 604 Haines Rd
- Adverse Combined Residual (Result 0.20 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/08/26

31. 2011/09/7 (AWQI 103171)

- Sample Location: Hydrant at 970 Ivesbridge
- Adverse Combined Residual (Result 0.21 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/09/12

32. 2011/09/29 (AWQI 103590)

- Sample Location: 2<sup>nd</sup> Hydrant west of Yonge on Aspenwood Dr.
- Adverse Combined Residual (Result 0.18 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/09/30

33. 2011/10/06 (AWQI 103704)

- Sample Location: 2<sup>nd</sup> Hydrant north of Bristol fronting 18075 Yonge St
- Adverse Combined Residual (Result 0.24 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/10/07

34. 2011/10/11 (AWQI 103738)

- Sample Location: Hydrant at 465 Woodspring
- Adverse Combined Residual (Result 0.13 mg/L)
- Regulated Standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/10/11

35. 2011/10/14 (AWQI 103881)

- Sample Location: Hydrant at 50 Portland Crescent
- Adverse Combined Residual (Result 0.09 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/10/14

36. 2011/10/25 (AWQI 103995)

- Sample Location: 2<sup>nd</sup> Hydrant west of Yonge St. (on Aspenwood Dr)
- Adverse Combined Residual (Result 0.10 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/10/26

37. 2011/10/27 (AWQI 104027)

- Sample Location: Hydrant at 324 John Bowser Crescent
- Adverse Combined Residual (Result 0.13 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/10/28

38. 2011/10/28 (AWQI 104037)

- Sample Location: Hydrant at 488 Menzel Crescent
- Adverse Combined Residual (Result 0.03 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/10/28

39. 2011/11/03 (AWQI 104102)

- Sample Location: 2<sup>nd</sup> Hydrant west of Yonge on Aspenwood Dr.
- Adverse Combined Residual (Result 0.18 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/11/03

40. 2011/11/21 (AWQI 104270)

- Sample Location: William Roe Sample Station opposite Borden Avenue
- Adverse Combined Residual (Result 0.13 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/11/21
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41. 2011/12/05 (AWQI 104420)

- Sample Location: Sample Station 07 at 100 Armitage Dr.
- Adverse Combined Residual (Result 0.14 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/12/05

42. 2011/12/14 (AWQI 104499)

- Sample Location: Hydrant at 294 Tom Taylor Way
- Adverse Combined Residual (Result 0.15 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/12/14

43. 2011/12/15 (AWQI 104516)

- Sample Location: Hydrant at 123 William Roe
- Adverse Combined Residual (Result 0.03 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/12/15

44. 2011/12/19 (AWQI 104540)

- Sample Location: Hydrant at 95 William Roe Blvd
- Adverse Combined Residual (Result 0.08 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/12/19

45. 2011/12/21 (AWQI 104559)

- Sample Location: Hydrant on Rita's Place at Tom Taylor Way
- Adverse Combined Residual (Result 0.12 mg/L)
- Regulated standard is 0.25 mg/L
- Flush the system and resampled
- Resolution notice issued to Region of York Medical Officer of Health and Ministry of the Environment Spills Action Centre. 2011/12/21

**\*\*re: SODIUM**

***"All natural waters contain some sodium. The guidelines for Canadian Drinking Water Quality and Ontario Drinking Water Standards set an aesthetic objective of 200mg/L. Sodium concentrations above 200mg/L may alter the taste of water."***

***The Ontario Drinking Water Systems Regulation 170/03 under the Safe Drinking Water Act requires reporting to the local Medical Officer of Health when sodium levels in public drinking water exceed 20mg/L or more. At this point, the local Medical Officer of Health informs local physicians, as such information is intended to help persons on sodium-restricted diets control their sodium intake."***

York Region Community and Health Services factsheet – "Sodium in Drinking Water"  
Please follow link for more information: [http://www.york.ca/Services/Water/Water+Quality/Sodium\\_New.htm](http://www.york.ca/Services/Water/Water+Quality/Sodium_New.htm)