

Ministry of the Environment,
Conservation and Parks
*Drinking Water and Environmental
Compliance Division*

Ministère de l'Environnement, de la
Protection de la nature et des Parcs
*Division de la conformité en matière
d'eau potable et d'environnement*

Central Region
York Durham District Office
230 Westney Road South, 5th Floor
Ajax, ON L1S 7J5
Toll-Free: 1-800-376-4547
Telephone.: 905-427-5600
Fax: 905-427-5602

Région du Centre
Bureau de district de York Durham
230 route Westney sud, 5^e étage
Ajax, ON L1S 7J5
Sans frais : 1-800-376-4547
Téléphone : 905 427-5600
Télécopieur : 905 427-5602

May 27, 2019

The Town of Newmarket
1275 Maple Hill Ct.
[Newmarket, ON](#), L3Y 9E8

Attention: Mr. Luigi Colangelo, Manager of Operations, Public Works

**RE: Newmarket Distribution System
Drinking Water Inspection Report**
File: SI YO NE MA 540A

Please find attached the Ministry of the Environment, Conservation and Parks inspection report for the above facility. The report details the findings of the inspection that began on April 17, 2019.

Please note that as of June 29, 2018 the Ministry of the Environment and Climate Change's name has changed to the Ministry of the Environment, Conservation and Parks. This name change will take some time to be reflected in ministry materials and systems.

The Appendix section of the inspection includes the Stakeholder Appendix A with links to key reference and guidance materials available on the Ministry of the Environment Conservation and Parks (MECP) website. Appendix B contains the inspection rating record.

In the inspection report, any "*Actions Required*" are linked to incidents of non-compliance with regulatory requirements contained within the Act, a regulation, or site-specific approvals, licenses, permits, orders or instructions. Such violations could result in the issuance of mandatory abatement instruments including Orders, tickets, penalties, or referrals to the ministry's Investigations and Enforcement Branch.

"*Recommended Actions*" convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the availability of information to consumers, and conformance with existing and emerging industrial standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

Please note, you will find in the report that bullets are shown in bold print and are the consistent and standard responses to the information gathered during the inspection. Statements shown in regular font provide additional site-specific details.

Section 19 of the Safe Drinking Water Act (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems. Please be aware that the Ministry has encouraged such individuals, particularly municipal councillors, to take steps to be better informed about the drinking water systems over which they have decision-making authority. These steps could include asking for a copy of this inspection report and a review of its findings. Further information about Section 19 can be found in *"Taking Care of Your Drinking Water: A guide for members of municipal council"* found under "Resources" on the Drinking Water Ontario website at www.ontario.ca/drinkingwater.

I would like to thank the Town of Newmarket staff for the assistance afforded to me during this compliance assessment. If you have any questions or concerns please contact myself or Tessa Villeneuve, Water Compliance Supervisor (A), Central Region at 905-427-5630.

Yours truly,



Dee Cox
Provincial Officer
Ministry of the Environment, Conservation and Parks
Drinking Water and Environmental Compliance Division
Central Region
Office: (905) 427-5615

ec:

Jeff Ellis, Supervisor Water and Wastewater, Town of Newmarket
Tyler, Adamson, Compliance & Training Coordinator, Water/Waste Water
Ben Longstaff, Lake Simcoe Conservation Authority
York Public Health Inspector
Tessa Villeneuve, Supervisor, York Durham District Office, MECP



Ontario

Ministry of the Environment, Conservation and Parks

NEWMARKET DISTRIBUTION SYSTEM

Inspection Report

Site Number:	260003188
Inspection Number:	1-KXWF3
Date of Inspection:	Apr 17, 2019
Inspected By:	Dee Cox



Ministry of the Environment, Conservation and Parks
Drinking Water Inspection

TABLE OF CONTENTS

1. Drinking Water System Owners Information
2. Drinking Water System Inspection Report

Appendix:

- A. Stakeholders Appendix**
- B. Inspection Rating Record**

OWNER INFORMATION:

Company Name: NEWMARKET, THE CORPORATION OF THE TOWN OF
Street Number: 395 **Unit Identifier:**
Street Name: MULOCK Dr
City: NEWMARKET
Province: ON **Postal Code:** L3Y 4X7

CONTACT INFORMATION

Type: Director **Name:** Christopher Kalimootoo
Phone: (905) 478-4282 x3815 **Fax:** (905) 478-8545
Email: ckalimootoo@eastgwillimbury.ca
Title: Director of Engineering and Environmental Services

Type: Manager **Name:** Luigi Colangelo
Phone: (905) 953-5300 x2553 **Fax:** (905) 953-5319
Email: lcolangelo@newmarket.ca
Title: Manager Water/Wastewater

Type: Supervisor **Name:** Jeff Ellis
Phone: (905) 953-5300 x2564 **Fax:** (905) 953-5319
Email: jellis@newmarket.ca
Title: Supervisor Water/Wastewater

INSPECTION DETAILS:

Site Name: NEWMARKET DISTRIBUTION SYSTEM
Site Address: 1275 MAPLE HILL Court NEWMARKET ON L3Y 9E8
County/District: NEWMARKET
MECP District/Area Office: York-Durham District
Health Unit: YORK REGION HEALTH SERVICES DEPARTMENT
Conservation Authority:
MNR Office:
Category: Large Municipal Residential
Site Number: 260003188
Inspection Type: Unannounced
Inspection Number: 1-KXWF3
Date of Inspection: Apr 17, 2019
Date of Previous Inspection: Aug 23, 2018

COMPONENTS DESCRIPTION

Site (Name): MOE DWS Mapping
Type: DWS Mapping Point **Sub Type:**

Site (Name): Newmarket Distribution System

Type: Other

Sub Type:

Comments:

The Newmarket Distribution System is owned and operated by the Town of Newmarket (The Town) and serves approximately 84,000 residents. The System receives treated water from the York Drinking Water System - Newmarket, which is owned and operated by The Regional Municipality of York (The Region).

The Region is responsible for the supply, production, treatment, and storage of the water and the Town owns and operates the distribution system that delivers the water from the regional watermains to homes in Newmarket. The Town owns and maintains approximately 300 km of watermains, 3,000 mainline valves, 2,500 fire hydrants, 25 sampling stations and 25,900 metered water services.

The Newmarket Well Supply System, owned and operated by the Region, consists of five production wells that draw water from the Yonge St. Aquifer and six water storage facilities. Chloramination (adding chlorine and ammonia) is the disinfection process used for the Newmarket production wells. The Newmarket Well Supply System also receives treated water from the Queensville Water Supply System, the Aurora Well Supply System, and two pipelines that supply water from the Region of Peel and the City of Toronto.

INSPECTION SUMMARY:

Introduction

- **The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry drinking water policies and guidelines during the inspection period.**

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg.170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This report is based on an inspection of a "stand alone connected distribution system". This type of system receives treated water from a separately owned "donor" system. This report contains the elements required to assess key compliance and conformance issues associated with a "receiver" system. This report does not contain items associated with the inspection of the donor system, such as source waters, intakes/wells and treatment facilities.

This report is based on a "focused" inspection of the system. Although the inspection involved fewer activities than those normally undertaken in a detailed inspection, it contained critical elements required to assess key compliance issues. This system was chosen for a focused inspection because the system's performance met the ministry's criteria, most importantly that there were no deficiencies as identified in O.Reg. 172/03 over the past 3 years. The undertaking of a focused inspection at this drinking water system does not ensure that a similar type of inspection will be conducted at any point in the future.

This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

On April 17, 2019, Provincial Officer, Dee Cox conducted an unannounced inspection of the Newmarket Distribution System (DS). A follow-up on-site inspection was conducted on April 18, 2019. The Inspection included the physical inspection of the works and a compliance assessment with all applicable legislation and legal documents.

Documents reviewed in association with this report included, but where not limited to:

1. Ministry of the Environment, Conservation and Parks Drinking Water Works Permit (DWWP), No.124-201, issue number: 2 dated May 19, 2016.
2. Ministry of the Environment, Conservation and Parks Municipal Drinking Water Licence (MDWL), No.124-101, Issue Number: 5, dated March 7, 2018.
3. Other documents maintained by the owner/operating authority for the period of August 24, 2018 through to April 17, 2019, were also reviewed in conjunction with this inspection.

For the purpose of this report, "the Town" refers to the Corporation of the Town of Newmarket" and "the Ministry" refers to the Ontario Ministry of the Environment, Conservation and Parks.

This inspection was conducted under the authority of Section 81 (1) of the Safe Drinking Water Act, 2002.

Treatment Processes

- **The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit.**

Treatment Processes

Schedule A of the DWWP No. 124-201, Issue number 2, describes the system as consisting of approximately 300 kilometers of distribution watermains.

Treatment Processes

- **Where an activity has occurred that could introduce contamination, all parts of the drinking water system were disinfected in accordance with Schedule B, Condition 2.3 of the Drinking Water Works Permit.**

The Town follows Standard Operator Procedures (SOP), the Ministry Watermain Disinfection Procedure and applicable AWWA standards when required. A review of the Towns "Procedure for the Disinfection of Watermains" SOP outlines the requirements.

The Town completes Watermain Break Reports when a watermain break occurs which list the details of the steps taken by operators.

Treatment Process Monitoring

- **The secondary disinfectant residual was measured as required for the distribution system.**

Chlorine residual samples were collected and tested several days a week from multiple locations as per Ontario Regulation (O.Reg.) 170/03.

The Town records Free and Total chlorine residuals during their microbiological sampling, dead end flushing, unidirectional flushing, and water quality sampling/monitoring testing.

The Newmarket Distribution System has experienced chlorine residual decay, particularly in the Northern portions of the Central East and Central West zones. The Town continues to work collaboratively with the Region of York, as well as industry experts to help with data analysis, system maintenance recommendations, flow monitoring, and modelling water quality trends.

Operations Manuals

- **The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.**

Up to date plans and drawings were available for review at the time of the inspection. The Town of Newmarket is using GIS (Geographic Information System) programming to capture and store information pertaining to the distribution system. The data is current and is available to view by operations staff.

- **The operations and maintenance manuals met the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.**

The operations manual and contingency plans developed for the drinking water system appear to contain the information and directives required by condition 16.2 of the MDWL. However, it was noted that some procedures have not been maintained.

Please see " Summary of Recommendations and Best Practice Issues" at the back of the report.

Logbooks

- **Logbooks were properly maintained and contained the required information.**

Section 27 of O.Reg. 128/04 contains requirements for what information is to be noted within the logbooks. The required items were recorded within "Daily Work Logs" maintained for each operators truck. The log sheets are collected at the end of each shift, reviewed and signed by each operator and the Overall Responsible Operator

Logbooks

(ORO).

- **Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was being done by a certified operator, water quality analyst, or person who suffices the requirements of O. Reg. 170/03 7-5.**

Security

- **The owner had provided security measures to protect components of the drinking water system.**

The majority of the drinking water components are underground. Extra equipment is stored securely at the operations centre inside the building and within the fenced area. The building and fence are locked with intruder alarms after hours.

Certification and Training

- **The overall responsible operator had been designated for each subsystem.**

The Town utilizes the "Personnel Coverage" procedure to clarify the roles and responsibilities of the Overall Responsible Operator (ORO) and Operator-In-Charge (OIC).

During the inspection review period, the ORO possessed the appropriate operator certificate to serve in this capacity.

Certification and Training

- **Operators-in-charge had been designated for all subsystems which comprised the drinking water system.**
- **All operators possessed the required certification.**

Water Quality Monitoring

- **All microbiological water quality monitoring requirements for distribution samples were being met.**

The Newmarket DS serves an estimated population of 84,227 people; therefore, 92 samples are required to be obtained monthly as a minimum requirement from within the distribution system. These samples are required to be tested for E.Coli (EC). and Total Coliform (TC); and at least 25 percent of the samples are required to be tested for general bacteria populations expressed as colony counts on a Heterotrophic Plate Count (HPC).

Records provided for the review period indicate that the Town is routinely collecting more than 100 distribution samples monthly and throughout the week in order to comply with the regulatory requirement. Each of those samples were tested for EC, TC, and approximately more than 25% of the samples were tested for general bacteria populations expressed as colony counts on a heterotrophic plate count.

- **All haloacetic acid water quality monitoring requirements prescribed by legislation are being conducted within the required frequency and at the required location.**

Sample data reviewed showed samples for Haloacetic acid where taken on June 18, 2018, September 17, 2018, December 18, 2018, and March 18, 2019.

- **All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.**

Sample data reviewed showed samples where taken on April 11, 2018, July 9th, 2018 and October 10th, 2018 and

Water Quality Monitoring

January 9th, 2019.

- **Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained.**

The chain of custody forms reviewed at the time of the inspection, confirmed that chlorine residual tests were conducted at the same time and same location the microbiological samples were taken.

Water Quality Assessment

- **Records did not show that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O.Reg. 169/03).**

During the inspection period, the town reported nine (9) Total Coliform Adverse Water Quality Incidents (AWQIs) to the Ministry that exceeded the values set out in Schedule 1 of O.Reg. 169/03.

Reporting & Corrective Actions

- **Corrective actions (as per Schedule 17) had been taken to address adverse conditions, including any other steps that were directed by the Medical Officer of Health.**

During the inspection period, the Town reported 87 AWQIs to the Ministry.

Of these:

- 78 were due to low combined chlorine residual.
- 9 for Total Coliform.

The Town responded to each low chlorine incident by immediately flushing the distribution system until residuals were restored. Resamples for the Total Coliform were collected and corrective actions taken for all adverse test results until results met the Ontario Drinking Water Quality Standards (ODWQS).

- **Corrective actions as directed by the Medical Officer of Health had been taken by the owner and operating authority to address exceedances of the lead standard.**
- **All required notifications of adverse water quality incidents were not immediately provided as per O. Reg. 170/03 16-6.**

On September 14, 2018 and September 22, 2018, 2 (two) incidents, AWQI #142884 and #143146, occurred causing the facility to not immediately report and submit a written notice within 24 hours after the immediate report, as per Schedule 16 of O.Reg. 170/03.

Samples taken by a certified operator from a third party company hired by the Town, sampled a temporary portable watermain causing a Total Coliform exceedance. The chain of custody forms completed stated the samples were non-regulated. The Lab and Town had attempted to contact the sampler and discovered the samples were regulated samples.

Please see "Non-Compliance with Regulatory requirements and Actions Required" at the back of the report and refer to action #1 of this report for actions required.

- **All changes to the system registration information were provided within ten (10) days of the change.**

On April 17, 2019, the system reviewed and confirmed the profile registration information was correct.

Other Inspection Findings

- **The following issues were also noted during the inspection:**

Other Inspection Findings

1. Condition 16.0 of Schedule B of the MDWL, No. 124-101, lists the items to be included in the operations and maintenance manual.

The operations manual and contingency plans developed for the drinking water system appear to contain the information and directives required by condition 16.2 of the MDWL. However, it was noted that some procedures have not been maintained.

2. Although no Form 1's were completed during the review period, the town has purchased automatic flusher for the Northern portions of the Central East and Central West zones where they frequently experience chloramine residuals below the minimum regulatory limit. An email to MECP Approvals dated March 5th, 2019 request for regulatory relief for the use of continuous chlorine analyzers installed for the auto-flushers. The automatic flusher is exempt from approval requirements and no Form 1, 2, or 3 is required.

3. Watermain break/repair records are not clear on which of the listed certified operators took chlorine residuals and at what time the residuals were taken. The Town provided an updated Watermain Break Repair record to the Ministry on November 30, 2018 which contained the requirements set out in Schedule 6-10 of O.Reg. 170/03. However, records reviewed for February and March 2019 revealed the new forms were not being used.

A review of the Engineering Design Standards and Criteria Chlorine Residual Reports used for temporary watermains, Form 2, records are not clear on which of the listed certified operators took the chlorine residuals and at what time the residuals were taken.

Please see " Summary of Recommendations and Best Practice Issues" at the back of the report.

NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED

This section provides a summary of all non-compliance with regulatory requirements identified during the inspection period, as well as actions required to address these issues. Further details pertaining to these items can be found in the body of the inspection report.

1. **All required notifications of adverse water quality incidents were not immediately provided as per O. Reg. 170/03 16-6.**

On September 14, 2018 and September 22, 2018, 2 (two) incidents, AWQI #142884 and #143146, occurred causing the facility to not immediately report and submit a written notice within 24 hours after the immediate report, as per Schedule 6 of O.Reg. 170/03.

Samples taken by a certified operator from a third party company hired by the Town, sampled a temporary portable watermain causing a Total Coliform exceedance. The chain of custody forms completed stated the samples were non-regulated. The Lab and Town had attempted to contact the sampler and discovered the samples were regulated samples.

Action(s) Required:

Although not completed within the proper time frame, notification was ultimately made to the Ministry and Health Unit for both Total Coliform events as soon as the Town of Newmarket became aware of the Adverse Water Quality Incidents. To help prevent future reporting issues of this nature, a new tender package was created to include procedures for adverse reporting.

No further action required.

SUMMARY OF RECOMMENDATIONS AND BEST PRACTICE ISSUES

This section provides a summary of all recommendations and best practice issues identified during the inspection period. Details pertaining to these items can be found in the body of the inspection report. In the interest of continuous improvement in the interim, it is recommended that owners and operators develop an awareness of the following issues and consider measures to address them.

1. The following issues were also noted during the inspection:

1. Condition 16.0 of Schedule B of the MDWL, No. 124-101, lists the items to be included in the operations and maintenance manual.

The operations manual and contingency plans developed for the drinking water system appear to contain the information and directives required by condition 16.2 of the MDWL. However, it was noted that some procedures have not been maintained.

2. Although no Form 1's were completed during the review period, the town has purchased automatic flusher for the Northern portions of the Central East and Central West zones where they frequently experience chloramine residuals below the minimum regulatory limit. An email to MECP Approvals dated March 5th, 2019 request for regulatory relief for the use of continuous chlorine analyzers installed for the auto-flushers. The automatic flusher is exempt from approval requirements and no Form 1, 2, or 3 is required.

3. Watermain break/repair records are not clear on which of the listed certified operators took chlorine residuals and at what time the residuals were taken. The Town provided an updated Watermain Break Repair record to the Ministry on November 30, 2018 which contained the requirements set out in Schedule 6-10 of O.Reg. 170/03. However, records reviewed for February and March 2019 revealed the new forms were not being used.

A review of the Engineering Design Standards and Criteria Chlorine Residual Reports used for temporary watermains, Form 2, records are not clear on which of the listed certified operators took the chlorine residuals and at what time the residuals were taken.

Recommendation:

1. It is recommended that the town review and update all of their operations and maintenance manuals to ensure operational efficiency and currency.

2. It is recommended that the Town of Newmarket have the automatic flusher added to the system description during the ongoing Permit renewal process.

3. The Town has since archived/removed any previous versions of the Watermain Break Report forms from circulation.

It is recommended that the Town provide the undersigned officer when staff are provided training on the new Infomax system (electronic form service provider/platform) and provide an updated Form 2 that contains the requirements set out in Schedule 6-10 of O.Reg.170/03.

SIGNATURES

Inspected By:

Dee Cox


Signature: (Provincial Officer)



Reviewed & Approved By:

Tessa Villeneuve

Signature: (Supervisor)



Review & Approval Date:



Note: This inspection does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they apply or may apply to this facility. It is, and remains, the responsibility of the owner and/or operating authority to ensure compliance with all applicable legislative and regulatory requirements.



APPENDIX A

STAKEHOLDER APPENDIX

Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of municipal residential drinking water systems frequently use.

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at 1-866-793-2588 or waterforms@ontario.ca.

For more information on Ontario's drinking water visit www.ontario.ca/drinkingwater



PUBLICATION TITLE	PUBLICATION NUMBER
FORMS: Drinking Water System Profile Information Laboratory Services Notification Adverse Test Result Notification	012-2149E 012-2148E 012-4444E
Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils	Website
Procedure for Disinfection of Drinking Water in Ontario	Website
Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids	Website
Filtration Processes Technical Bulletin	Website
Ultraviolet Disinfection Technical Bulletin	Website
Guide for Applying for Drinking Water Works Permit Amendments, & License Amendments	Website
Certification Guide for Operators and Water Quality Analysts	Website
Guide to Drinking Water Operator Training Requirements	9802E
Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption	Website
Drinking Water System Contact List	7128E01
Ontario's Drinking Water Quality Management Standard - Pocket Guide	Website
Watermain Disinfection Procedure	Website
List of Licensed Laboratories	Website

Principaux guides et documents de référence sur les réseaux résidentiels municipaux d'eau potable

De nombreux documents utiles peuvent vous aider à exploiter votre réseau d'eau potable. Vous trouverez ci-après une liste de documents que les propriétaires et exploitants de réseaux résidentiels municipaux d'eau potable utilisent fréquemment. Pour accéder à ces documents en ligne, cliquez sur leur titre dans le tableau ci-dessous ou faites une recherche à l'aide de votre navigateur Web. Communiquez avec le ministère au 1-866-793-2588, ou encore à waterforms@ontario.ca si vous avez des questions ou besoin d'aide.



Pour plus de renseignements sur l'eau potable en Ontario, consultez le site www.ontario.ca/eaupotable

TITRE DE LA PUBLICATION	NUMÉRO DE PUBLICATION
Renseignements sur le profil du réseau d'eau potable	012-2149F
Avis de demande de services de laboratoire	012-2148F
Avis de résultats d'analyse insatisfaisants et de règlement des problèmes	012-4444F
Prendre soin de votre eau potable - Un guide destiné aux membres des conseils municipaux	Site Web
Marche à suivre pour désinfecter l'eau potable en Ontario	Site Web
Stratégies pour minimiser les trihalométhanes et les acides haloacétiques de sous-produits de désinfection	Site Web
Filtration Processes Technical Bulletin (en anglais seulement)	Site Web
Ultraviolet Disinfection Technical Bulletin (en anglais seulement)	Site Web
Guide de présentation d'une demande de modification du permis d'aménagement de station de production d'eau potable	Site Web
Guide sur l'accréditation des exploitants de réseaux d'eau potable et des analystes de la qualité de l'eau de réseaux d'eau potable	Site Web
Guide sur les exigences relatives à la formation des exploitants de réseaux d'eau potable	9802F
Échantillonnage et analyse du plomb dans les collectivités : échantillonnage normalisé ou réduit et admissibilité à l'exemption	Site Web
Liste des personnes-ressources du réseau d'eau potable	Site Web
L'eau potable en Ontario - Norme de gestion de la qualité - Guide de poche	Site Web
Procédure de désinfection des conduites principales	Site Web
Laboratoires autorisés	Site Web



APPENDIX B

INSPECTION RATING RECORD

Ministry of the Environment - Inspection Summary Rating Record (Reporting Year - 2019-2020)

DWS Name: NEWMARKET DISTRIBUTION SYSTEM
DWS Number: 260003188
DWS Owner: Newmarket, The Corporation Of The Town Of
Municipal Location: Newmarket

Regulation: O.REG 170/03
Category: Large Municipal Residential System
Type Of Inspection: Adhoc
Inspection Date: April 17, 2019
Ministry Office: York-Durham District

Maximum Question Rating: 244

Inspection Module	Non-Compliance Rating
Treatment Processes	0 / 35
Operations Manuals	0 / 28
Logbooks	0 / 18
Certification and Training	0 / 28
Water Quality Monitoring	0 / 51
Reporting & Corrective Actions	21 / 63
Treatment Process Monitoring	0 / 21
TOTAL	21 / 244

Inspection Risk Rating	8.61%
-------------------------------	--------------

FINAL INSPECTION RATING:	91.39%
---------------------------------	---------------

Ministry of the Environment - Detailed Inspection Rating Record (Reporting Year - 2019-2020)

DWS Name: NEWMARKET DISTRIBUTION SYSTEM
DWS Number: 260003188
DWS Owner: Newmarket, The Corporation Of The Town Of
Municipal Location: Newmarket
Regulation: O.REG 170/03
Category: Large Municipal Residential System
Type Of Inspection: Adhoc
Inspection Date: April 17, 2019
Ministry Office: York-Durham District

Non-compliant Question(s)	Question Rating
Reporting & Corrective Actions	
Were all required verbal notifications of adverse water quality incidents immediately provided as per O. Reg. 170/03 16-6?	21
TOTAL QUESTION RATING	21

Maximum Question Rating: 244

Inspection Risk Rating	8.61%
-------------------------------	--------------

FINAL INSPECTION RATING:	91.39%
---------------------------------	---------------