



Municipality Of Lakeshore Drinking Water System - Stoney Point

Inspection Report

Ministry ID Number: 220003396
Inspection Start Date: 10/04/2022
Inspection End Date: 12/01/2022
Inspection By: Paul TerSteege

(signature)

We want to hear from you. How was my service? You can provide feedback at
1-888-745-8888 or [Ontario.ca/inspectionfeedback](https://ontario.ca/inspectionfeedback)

Table of Contents

Summary of Action Items	3
Inspection Background	4
Facility Description	4
Inspection Observations	5
Introduction	5
Source	5
Flow/Capacity Assessment	6
Treatment Processes	6
Treatment Process Monitoring	9
Operations Manuals	11
Logbooks	11
Security	11
Certification	12
Water Quality Monitoring	13
Water Quality Assessment	15
Reporting & Corrective Actions	15
Other Inspection Findings	16

Appendices

- Appendix 1 – Stoney Point Area and Infrastructure
- Appendix 2 – Drinking Water System Dossier - Excerpts

Summary of Action Items

Where a concern regarding a legislative requirement or a best management practice (BMP) recommended by the Ministry has yet to be resolved, the Officer has included one or more action items. These may include a request to satisfy a requirement and/or a recommendation as to steps which could be taken to prevent or mitigate the concern.

Additional details may be found within the related inspection observations included within this report.

Please respond by the date indicated to confirm the required actions have been taken and/or that recommendations have been considered.

Should you have any questions regarding what is expected, please do not hesitate to contact the Officer who conducted the inspection.

The following bullets have been used to distinguish between requests related to legislative requirement and BMPs. Related observations are similarly marked in this report.

- Items related to a legislative requirement are marked with a solid bullet and dark yellow shading.
- Items related to a recommended BMP are marked with a hollow bullet and light yellow shading.

Other Inspection Findings

- **Were the inspection questions sufficient to address other identified best practice issues?**

Action Item(s)

During subsequent inspections, please provide turbidity data for the clarified effluent, and if available, please provide data with which to confirm whether the clarifier is in use.

Inspection Background

Name: Municipality Of Lakeshore Drinking Water System - Stoney Point
ID Number: 220003396
Entity Inspected: Lakeshore
Local Ministry Office: Windsor
Local Supervisor: Marc Bechard
Date Inspected: 10/4/2022
Review Period: February 1, 2022 to present

Facility Description

This large municipal residential drinking water system serves approximately 7,800 Lakeshore residents within the Stoney Point Water Service Area. The service area stretches from Lake St. Clair south to County Road 8, and from Rochester Townline Road east to Big Creek.

The surface water treatment plant, with a rated capacity of 4,546 m³/day, consists of two neighbouring properties on either side of St. Clair Road. The low lift pumping station connected to the intake, chemical feed systems, and an up-flow clarifier are sited on the northern property. The filtration system, reservoir, high lift pumping station, and wastewater lagoons are sited on the southern property.

Treatment processes include coagulation, flocculation, sedimentation, chlorination, filtration, and taste and odour control. Process chemicals include aluminum sulphate, activated carbon, and chlorine gas.

As the plant relies on a single clarifier, to ensure adequate contact time is provided, controls were installed,

- to maintain a minimum of 1.4 m of water at 1.5 mg/L free chlorine residual in the clearwells for chlorine contact under normal operations; and
- to maintain a minimum of 2.3 m of water at 2.0 mg/L free chlorine residual in the clearwells for chlorine contact when the clarifier is out of service.

The plant is an automated facility controlled by a Supervisory Control and Data Acquisition system. The SCADA system also monitors the performance of infrastructure in the distribution system including the two reservoirs and booster pumping stations in Haycroft and Comber. Both facilities are equipped with chlorination systems to maintain secondary disinfectant in the zones they supply.

The distribution system in the service area includes approximately 208 km of watermain ranging in diameter from 25 to 300 mm.

In the absence of elevated storage, both the plant and the reservoirs include diesel generators to provide standby power in the event of a disruption to the electrical grid.

Inspection Observations

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. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as management practices. 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 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.**

The Officer's reviews typically focus on recent operational records from a prescribed review period, along with a select set of older records which may predate the preceding inspection (e.g., historical laboratory results, etc.).

The inspection included a physical inspection of the plant and pump stations on October 4, 2022; a review of operational records; and input from operators.

Source

- **The owner had a harmful algal bloom monitoring plan in place.**

Source

- **The owner had a harmful algal bloom monitoring plan in place.**

Condition 6.1.2 in Schedule C of the Licence requires,

The owner must implement the Plan annually during the harmful algal bloom season, during but not limited to the warm seasonal period between June 1 and October 31 each year, or as otherwise directed by the Ministry or the Medical Officer of Health.

Operators provided a copy of their Certificates of Analysis and Sample Submission forms. Weekly samples of raw and treated water were collected from late May until the end of October. As with previous years, the microcystin results for all the treated water samples were below the method detection limit of their laboratory.

Considering their historical results, the Stoney Point plant seems less prone than the Belle River plant to the presence of harmful algal blooms, and operators inquired whether the Ministry would be willing to direct/authorize them to suspend sampling a month earlier.

The Officer confirmed with his supervisor that the Ministry would be amenable to receiving such requests, e.g., provided that by the end of August, the results supported the conclusion that the threat had already crested, and that the microcystin concentration was reasonably expected to remain below their laboratory's method detection limit.

Flow/Capacity Assessment

- **There was sufficient monitoring of flow as required by the Municipal Drinking Water Licence or Drinking Water Works Permit issued under Part V of the SDWA.**

The Officer received data for monitoring locations identified in Schedule A of the Permit. Each device appears to have been operable during the review period.

- **The owner was in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the Municipal Drinking Water Licence issued under Part V of the SDWA.**

As required by Condition 1.1 in Schedule C of the Municipal Drinking Water Licence, daily flows were maintained within 68% of the Rated Capacity identified in Table 1, e.g., 4,546 m³/day.

Treatment Processes

- **This Drinking Water System provides for both primary and secondary disinfection and distribution of water.**

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.**

Outside of minor alterations, the Ministry expects the equipment described in Schedule A of the Owner's Permit, as may be amended by alterations identified in Schedule C, to be (and to remain) installed. Operators advised there had been no significant alterations to the system since the previous inspection, and that the equipment identified within the Permit was, and remains, installed.

- **The owner/operating authority was in compliance with the requirement to prepare Form 1 documents as required by their Drinking Water Works Permit during the inspection period.**

While not specific to treatment processes, the Ministry directs Officers to use this opportunity to discuss any alterations to the distribution system. Section 3.0 in Schedule B of Permits allows for watermain additions, modifications, replacements, and extensions - providing owners retain a completed "Form 1 – Record of Watermains Authorized as a Future Alteration" verifying they have met the requirements listed in Conditions 3.1.1 through 3.1.6.

As an example, operators provided a copy of the form related to the installation of a new 200mm watermain, hydrants and appurtenances in Phase 2 of the Tracey Estates Subdivision.

- **The owner/operating authority was in compliance with the requirement to prepare Form 2 documents as required by their Drinking Water Works Permit during the inspection period.**

Section 4.0 in Schedule B of Permits allows for minor modifications to drinking water systems - providing owners complete and retain a "Form 2 – Record of Minor Modifications or Replacements to the Drinking Water System" verifying they have met the requirements listed in Condition 4.3.

Operators provided forms documenting the replacement of the two filter inlet valves and several chlorine analysers.

- **All parts of the drinking water system were disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit.**

Various components of water systems can be subject to contamination during alterations. Schedule B of the Permit requires components which may be subject to contamination to be disinfected according to the applicable procedure or AWWA standard.

Operators provided documents related to repairs and the installation of watermains in the distribution system. Amongst the information provided in these documents were details regarding disinfection following repairs, and the results of microbiological samples collected following the installation of the new watermains.

Treatment Processes

- **Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined.**

Regardless of whether owners provide secondary disinfection themselves, Section 1-5 in Ontario Regulation 170/03 requires them to ensure the provision of treatment capable of providing a free chlorine residual of 0.2 mg/L at all locations within the distribution system. Further, Section 1-2 requires the free chlorine residual to be ≥ 0.05 mg/L.

The continuous monitoring data provided for review indicated the chlorine residual in the treated water was fairly consistent. The daily average ranged from 1.51 to 2.06 mg/L. Water leaving the pump stations also had good residual levels.

The results of grab sample from the distribution system were understandably more diverse. While most test results were above 1.0 mg/L, some locations were prone to lower results. The lowest result in the first three quarters of 2022 was 0.26 mg/L. It was from a sample collected August 29th at a dead-end in the northeastern extremity of the system.

- **Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was being supplied to consumers.**

Subsection 1-2 (2) in Schedule 1 of Ontario Regulation 170/03 requires the provision of primary disinfection while supplying water. Operators identified critical control points (CCPs) for the system; provided continuous monitoring data; and worksheets for review.

The CCPs included,

- Coagulant Feed Rate: < 5 kg/h
- Turbidity (Filter Effluent): > 0.25 NTU
- Free Chlorine Residual (Treated Water): < 1.40 mg/L OR > 2.50 mg/L
- Free Chlorine Residual (Distributed Water): < 0.20 mg/L

Most of the events flagged by the CCPs stemmed from filter turbidity spikes. Despite these brief outliers, the Municipality had no problem satisfying the applicable Primary Disinfection Credit Criteria in Schedule E of Municipal Drinking Water Licence.

Treatment Process Monitoring

- **Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format.**

Operators confirmed regulatory and operational data is stored on their historian at a frequency greater than required by paragraph 1 of Subsection 6-5 (1) in Schedule 6 of Ontario Regulation 170/03. To facilitate the Ministry review, operators use reporting software to generate CSV files containing 5-minute averages of the data extracted from their historian.

- **Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test.**

Operators reported a SCADA review is conducted daily (and recorded in the logbook). Further, key parameters are summarized as part of monthly reports generated for review.

- **All continuous monitoring equipment utilized for sampling and testing required by O. Reg.170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, were equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6.**

As with many municipal drinking water systems, alarms are used to safeguard both the system and consumers. Regardless of whether Section 6-5 of Ontario Regulation 170/03 applies, the presence of an alarm enables operators to take prompt and appropriate action to resolve regulatory and/or operational concerns.

With regards to turbidity and chlorine, the listing of Critical Control Points identifies a high (0.25 NTU) alarm setpoint for turbidity in filter effluent; and both low (1.40 mg/L) and high (2.50 mg/L) alarm setpoints for free chlorine in the plant effluent.

- **All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.**

Section 6-5 in Schedule 6 of Ontario Regulation 170/03 requires equipment used to continuously monitor chlorine residuals and turbidity to be calibrated to ensure that test results are within acceptable margins of error.

The Operating Authority provided worksheets documenting that the accuracy of their handheld analysers was verified each month that the devices were in use. In turn, the handheld instruments are used to assess the continuous monitoring equipment. This activity is scheduled and documented using a work order system. In addition to in-house assessments, an outside contractor comes in on an annual basis (June 2022) to verify the calibration of these and other instruments.

Treatment Process Monitoring

- **Where required continuous monitoring equipment used for the monitoring of chlorine residual and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions.**

The overall trends for the review period suggested filtration and disinfection processes were tightly controlled at the plant, and that operators were either onsite at the onset of events (i.e., as they were performing maintenance), or they responded promptly and appropriately as outlined by Subsection 6-5 (1.1) in Schedule 6 of Ontario Regulation 170/03.

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

Records provided for review indicated the disinfectant residual in the distribution system is monitored as required by Section 7-2 in Schedule 7 of Ontario Regulation 170/03 by means of weekly testing. Records indicate operators use conduct testing on Mondays and Thursday. In addition to testing of grab samples, continuous monitoring equipment is used to monitor the chlorine residual entering and exiting the two booster stations.

- **Primary disinfection chlorine monitoring was conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved.**

The Permit identifies five chlorine analysers used at the water treatment plant. Data was provided for each.

- **Continuous monitoring of each filter effluent line was being performed for turbidity.**

Continuous monitoring data provided for review indicated turbidity monitoring was performed on each filter effluent line while water was being supplied/produced as required by Section 7-2 (3) in Schedule 7 of Ontario Regulation 170/03.

Operations Manuals

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

In addition to being readily available, Section 28 of Ontario Regulation 128/04 manuals to be sufficient for the safe and efficient operation of the system.

With respect to treatment systems, the Ministry expects the availability of process descriptions (related to both treatment and monitoring); and drawings regarding the treatment facilities and equipment/process units, chemical application points, and process monitoring / sampling points. Per previous inspections, operators have ready access at the plant to an Operations Manual, as-built drawings of the plant, process and instrumentation diagrams, and other reference materials.

With respect to distribution systems, the Ministry expects the availability of drawings that illustrate the location of watermains, valves, hydrants, and other significant appurtenances. In addition to access at the plant, distribution operators have portable access to maps on the Municipality's GIS system, including the location of mains, hydrants, and valves. Hyperlinks in the GIS system allow for additional access to as-built drawings and asset data.

- **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.**

Ontario Regulation 128/04 focuses on the provision of plans, drawings, and process descriptions, whereas Municipal Drinking Water Licences impose requirements related to the provision of procedures. The Officer understands copies of the Licence and Permit are available to operators. A master copy of the standard operating procedures governing routine operations is maintained at the plant, with electronic copies available to operators. Emergency operations are supported by procedures and reference materials as part of a Contingency Plan for the system.

Logbooks

- **Logbooks were properly maintained and contained the required information.**
- **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 pump stations and low lift station are sited within fenced enclosures, and the gates and doors are locked when not in attendance. The property housing the water treatment plant and lagoons is largely fenced with entrances to the plant outside of the fence line. A keycard access system is used to enter the facility.

Video surveillance is maintained at both the plant and the low lift station.

Operators did not report any incidents or concerns suggesting a need for additional security measures.

Certification

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

Ontario Regulation 128/04 prescribes systems for classifying water systems, and for certifying personnel who operate them. Subsection 23 requires an operator, who holds the appropriate type and level of certification, to be designated as the Overall Responsible Operator (ORO). An operator with class III certificates continues to serve in this capacity.

- **Operators-in-charge had been designated for all subsystems which comprise the drinking water system.**

All operators capable of acting independently are eligible to serve as "operator-in-charge" per Subsection 25 (1) of Ontario Regulation 128/04.

Certification

- All operators possessed the required certification.**

The Municipality has a pool of operators, the certificates for which are listed below:

Operator	Type	Class	Certificate	Operator	Type	Class	Certificate
90001550	WD	III	11643	90054440	WT	III	67881
90001550	WT	III	11642	90056701	WT	III	65674
90006058	WS	II	16885	90056960	WT	II	74804
90006058	WT	IV	16882	90062682	WT	II	82668
90008626	WQA	--	11616	90068851	WD	II	89504
90008626	WS	II	13180	90068851	WT	II	81319
90008626	WT	IV	12425	90075947	WD	II	105707
90012701	WD	III	53262	90077030	WT	II	105212
90020231	WD	II	68200	90082169	WD	I	112093
90020233	WD	II	57845	90082173	WS	II	99886
90023075	WD	II	50271	90082173	WT	I	99885
90050039	WD	III	56423	90083165	WT	I	105102
90050816	WD	II	95682	90086232	WS	OIT	OT102891
90051468	WD	II	58006	90086232	WT	II	109759
90051468	WT	I	87947	90086514	WS	OIT	OT103374
90054440	WQA	--	109130	90086514	WT	II	110156
90054440	WS	II	67043	90087936	WD	I	113845

- Only certified operators made adjustments to the treatment equipment.**

Water Quality Monitoring

- All microbiological water quality monitoring requirements prescribed by legislation for distribution samples in a large municipal residential system were being met.**

Reported laboratory results indicate raw water samples have been collected monthly for microbiological testing per Section 10-4 of Ontario Regulation 170/03.

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

Sample submission forms indicate that during the collection of samples for microbiological testing, where required by Section 6-3 of Ontario Regulation 170/03, another sample was collected at the same time from the same location for testing the chlorine residual.

Water Quality Monitoring

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

Reported laboratory results indicate distributed water samples have been collected from a sample station at the corner of Gracey Side Road and Lakeshore Road 302, a sample location operators believe would be likely to have an elevated potential for the formation of haloacetic acids – should this disinfection by-product be a concern.

The results indicate that at least one distributed sample has been collected every calendar quarter as required by Section 13-6.1 (1) of Ontario Regulation 170/03.

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

Reported laboratory results indicate distributed water samples have been collected from a sample station at the corner of County Road 8 and Pillon Avenue, a sample location operators believe would be likely to have an elevated potential for the formation of trihalomethanes – should this disinfection by-product be a concern.

The results indicate that at least one distributed sample has been collected every calendar quarter as required by Section 13-6 (1) of Ontario Regulation 170/03. To provides the distribution sample results context, operators also collected treated water samples from the plant.

- **All water quality monitoring requirements imposed by the MDWL or DWWP issued under Part V of the SDWA were being met.**

Reported laboratory results indicate that as required by the Licence, monthly lagoon effluent samples have been collected for testing total suspended solids. Samples may be collected from one or both lagoons, depending on whether they are discharging.

- **All microbiological water quality monitoring requirements prescribed by legislation for treated samples were being met.**

Reported laboratory results indicate treated water samples have been collected weekly for microbiological testing per Section 10-3 of Ontario Regulation 170/03.

- **All inorganic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Reported laboratory results indicate that as required by Section 13-2 of Ontario Regulation 170/03 of large municipal systems that treat surface water, at least one treated water sample has been collected every 12 months for testing the inorganic parameters in Schedule 23.

Water Quality Monitoring

- **All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency for the DWS.**

Reported laboratory results indicate treated water samples have been collected quarterly for nitrate and nitrite testing per Section 13-7 of Ontario Regulation 170/03.

- **All sodium water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Reported laboratory results indicate operators have sampled treated and/or or distributed water at least once annually for several years. Their sampling program readily satisfies the testing requirements in Section 13-8 of Ontario Regulation 170/03.

- **All fluoride water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Reported laboratory results indicate treated samples have been collected annually for testing fluoride easily satisfying Section 13-9 of Ontario Regulation 170/03.

- **All organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Reported laboratory results indicate that as required by Section 13-4 of Ontario Regulation 170/03 of large municipal systems that treat surface water, at least one treated water sample has been collected every 12 months for testing the organic parameters in Schedule 24.

Water Quality Assessment

- **Records showed 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).**

All the reported laboratory results met the applicable water quality standards (in Ontario Regulation 169/03).

Reporting & Corrective Actions

- **The owner had evidence that required notifications to all legal owners associated with the Drinking Water System had been made during the inspection period.**

To satisfy Condition 2.7 in Schedule B of the Drinking Water Works Permit, the Municipality provides developers of major residential developments information on this subject.

Other Inspection Findings

○ The following issues were also noted during the inspection:

Treatment Processes – Coagulant Flow and Clarifier Usage

It is recommended that turbidity data for the clarified effluent be provided during subsequent inspections. This measure has previously been identified as a Critical Control Point, and considering dependence on a single clarifier, an evaluation of its performance seems warranted.

Further, it would be helpful if there was a Tag with which to flag whether the clarifier is in use. This would enable an assessment of whether an appropriate reservoir depth and chlorine residual were being maintained (based upon whether the system was working normally or as a direct filtration plant).



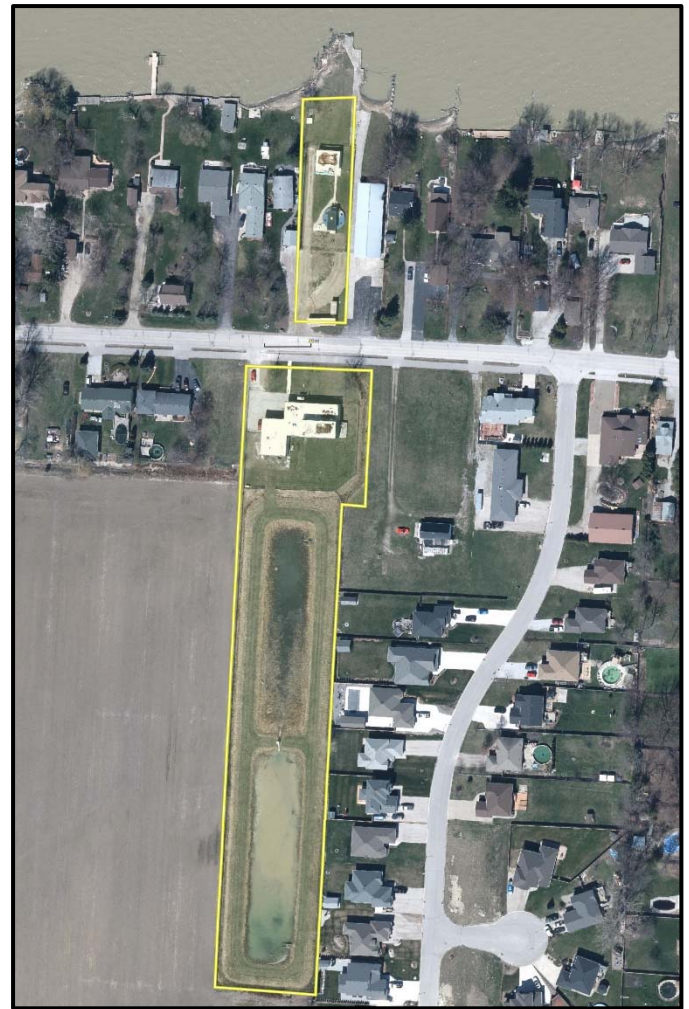
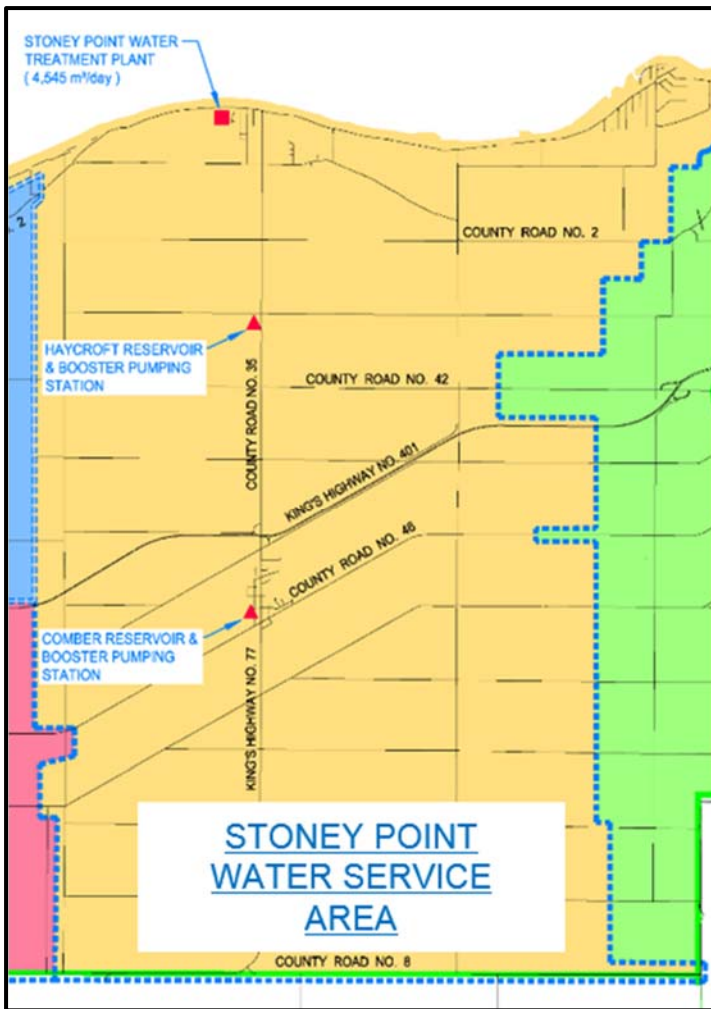
Appendices

Appendix 1 – Stoney Point Area and Infrastructure

Appendix 2 – Drinking Water System Dossier - Excerpts

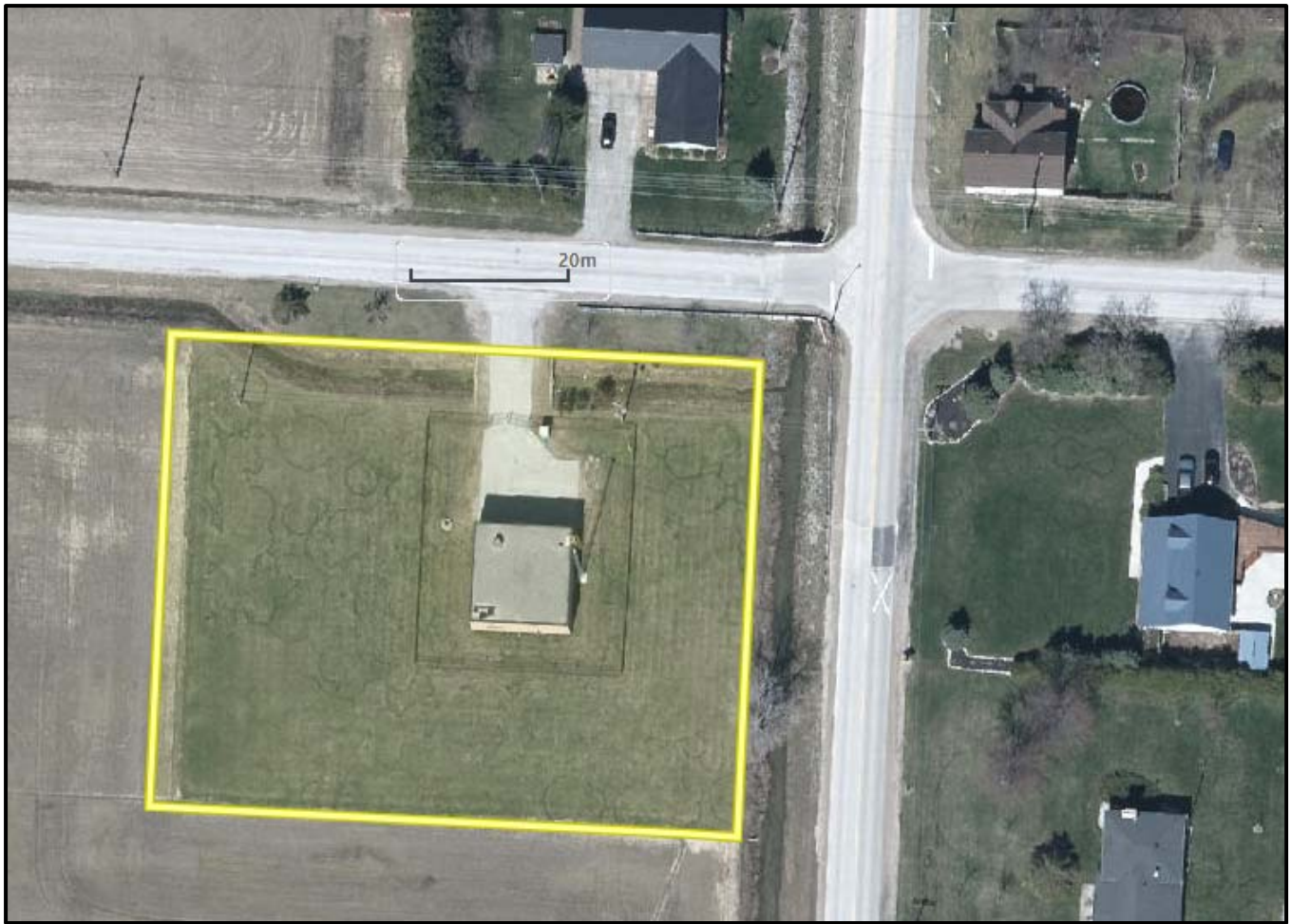
Appendix 1

Stoney Point Area and Infrastructure



Stoney Point Water Service Area and Stoney Point Water Treatment Plant





Haycroft Reservoir and Pumping Station





Comber Reservoir and Pumping Station



Appendix 2

Drinking Water System Dossier - Excerpts

021 - Drinking Water System Dossier for 220003396

Drinking Water System Profile Information

DWS #	220003396
Registration Date (yyyy/mm/dd)	2002/08/26
DWS Status	Active DWS
DWS Expiry Date (yyyy/mm/dd)	
MOE Assigned Name	Municipality Of Lakeshore Drinking Water System - Stoney Point
Category	LMRS
Regulation Short Name	O.REG 170/03
DWS Type	Water Treatment Plant
Source Type	Surface Water
Address	6011 St.Clair Road, Stoney Point, Ontario, N0R 1N0, Canada
Region	Southwestern Region
District	Windsor Area Office
Municipality	Lakeshore
Public Health Unit	Windsor-Essex County Health Unit

DWS OPERATIONAL INFORMATION

Concession Plan Number	
Lot	
Geographic Township	
Population:	6,728
Number of Private Residences:	
Number of Service Connections:	2,403
Rated Daily Capacity (L/S)	52.6
Number of DFs Served:	0
LSN Compliance Status:	Complete LSN

24/7 Contact	Garry Punt, Team Leader Of Water Management
24/7 Contact Info	p: (226)2782700 x649, f: (519)7284110, e: gpunt@lakeshore.ca, c: (226)3452079, pg: -

DWS OWNER INFORMATION

Owner Legal Name	Lakeshore, The Municipality Of
Owner Business Name	Lakeshore, The Municipality Of
Owner Address	419 Notre Dame St , Belle River, ON, N0R 1A0
Owner Contact	Krystal Kalbol, Corporate Leader Of Operations
Owner Contact Info	p: (519)7282700 x655, f: - , e: kkalbol@lakeshore.ca
Owner Alternate Contact	Albert Dionne, Division Leader Of Water Management
Owner Alternate Contact Info	p: (519)7282700 x631, f: - , e: adionne@lakeshore.ca

DWS OPERATING AUTHORITY INFORMATION

Op. Authority Legal Name	Lakeshore, The Municipality Of
Op. Authority Business Name	Lakeshore, The Municipality Of
Op. Authority Address	419 Notre Dame St , Belle River, ON, N0R 1A0
Op. Authority Contact	Krystal Kalbol, Corporate Leader Of Operations
Op. Authority Contact Info	p: (519)7282700 x655, f: - , e: kkalbol@lakeshore.ca
Op. Authority Alternate Contact	Albert Dionne, Division Leader Of Water Management
Op. Authority Alternate Contact Info	p: (519)7282700 x631, f: - , e: adionne@lakeshore.ca

021 - Drinking Water System Dossier for 220003396

As the intent of these sections was to identify relationships with OTHER systems, the Officer requested the Ministry's registration team remove references to this system.

DWS RELATIONSHIP INFORMATION

Does S5 or S6 Relationship Exist?

O. Reg 170 DWS that SUPPLY Water to THIS DWS

Supplying DWS #	Supplying DWS Name	Supplying DWS Category	How is Water Supplied?
220003396	Town Of Lakeshore Drinking Water System - Stoney Point	LMRS	Unknown

O. Reg 170 DWS that RECEIVE Water from THIS DWS

Receiving DWS #	Receiving DWS Name	Receiving DWS Category	How is Water Received?
220003396	Town Of Lakeshore Drinking Water System - Stoney Point	LMRS	Unknown

DWIS Components

Distribution System

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
Distribution:Municipality Of Lakeshore Drinking Water System - Stoney Point			CHLORINATION	Y	Y

Entry Point

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
Treated: HI Pump Station, Stoney Point Wtp			CHLORINATION	Y	Y
			CLARIFIER - SLUDGE BLANKET		
			CLARIFIER - UPFLOW		
			COAGULATION		
			FILTRATION		
			FLOCCULATION		
			SEDIMENTATION		
			TASTE AND ODOUR CONTROL		
			ZEBRA MUSSEL CONTROL		

Plumbing

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
Plumbing:Municipality Of Lakeshore Drinking Water System - Stoney Point					

Waterbody

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
Lake St. Clair		N			