

# Audit Report

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S2 Surveillance Audit for

The Corporation of the City of Kawartha Lakes

1631768-02

Audited Address: 12 Peel Street, Lindsay, Ontario, CAN, K9V 3L8

Start Date: Apr 14, 2020 End Date: Apr 15, 2020

Type of audit: Surveillance System Audit

Issue Date: Apr 15, 2020

Revision Level: *Final*

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## Audit Report

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### BACKGROUND INFORMATION

SAI Global conducted an audit of The Corporation of the City of Kawartha Lakes beginning on Apr 12, 2020 and ending on Apr 12, 2020 to DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017.

The purpose of this audit report is to summarise the degree of compliance with relevant criteria, as defined on the cover page of this report, based on the evidence obtained during the audit of your organization. This audit report considers your organization's policies, objectives, and continual improvement processes. Comments may include how suitable the objectives selected by your organization appear to be in regard to maintaining customer satisfaction levels and providing other benefits with respect to policy and other external and internal needs. We may also comment regarding the measurable progress you have made in reaching these targets for improvement.

SAI Global audits are carried out within the requirements of SAI Global procedures that also reflect the requirements and guidance provided in the international standards relating to audit practice such as ISO/IEC 17021-1, ISO 19011 and other normative criteria. SAI Global Auditors are assigned to audits according to industry, standard or technical competencies appropriate to the organization being audited. Details of such experience and competency are maintained in our records.

In addition to the information contained in this audit report, SAI Global maintains files for each client. These files contain details of organization size and personnel as well as evidence collected during preliminary and subsequent audit activities (Documentation Review and Scope) relevant to the application for initial and continuing certification of your organization.

Please take care to advise us of any change that may affect the application/certification or may assist us to keep your contact information up to date, as required by SAI Global Terms and Conditions.

This report has been prepared by SAI Global Limited (SAI Global) in respect of a Client's application for assessment by SAI Global. The purpose of the report is to comment upon evidence of the Client's compliance with the standards or other criteria specified. The content of this report applies only to matters, which were evident to SAI Global at the time of the audit, based on sampling of evidence provided and within the audit scope. SAI Global does not warrant or otherwise comment upon the suitability of the contents of the report or the certificate for any particular purpose or use. SAI Global accepts no liability whatsoever for consequences to, or actions taken by, third parties as a result of or in reliance upon information contained in this report or certificate.

Please note that this report is subject to independent review and approval. Should changes to the outcomes of this report be necessary as a result of the review, a revised report will be issued and will supersede this report.

**Standard:** DRINKING WATER QUALITY MANAGEMENT STANDARD VERSION 2 - 2017

**Scope of Certification:** Full Scope – Entire DWQMS

**Drinking Water System Owner:** The Corporation of the City of Kawartha Lakes

**Operating Authority:** The Corporation of the City of Kawartha Lakes

**Owner:** The Corporation of the City of Kawartha Lakes

**Population Served:** 30208

**Activities:** Treatment (Lindsay DWS only) and Distribution (all systems)  
Lindsay Drinking Water System (license # 141-120)  
Birchpoint Estates Drinking Water System (license # 141-109)  
Bobcaygeon Drinking Water System (license # 141-105)  
Canadiana Shores Drinking Water System (license # 141-112)  
Fenelon Falls Drinking Water System (license # 141-104)  
Janetville Drinking Water System (license # 141-111)  
Kings Bay Drinking Water System (license # 141-119)  
Kinmount Drinking Water System (license # 141-121)  
Manilla Drinking Water System (license # 141-106)  
Manorview Drinking Water System (license # 141-118)  
**Drinking Water Systems** Mariposa Estates Drinking Water System (license # 141-117)  
Norland Drinking Water System (license # 141-103)  
Omeme Drinking Water System (license # 141-108)  
Pinewood Drinking Water System (license # 141-110)  
Pleasant Point Drinking Water System (license # 141-113)  
Sonya Village Subdivision Drinking Water System (license # 141-107)  
Southview Drinking Water System (license # 141-101)  
Victoria Place Drinking Water System (license # 141-114)  
Western Trent/Palmina Drinking Water System (license # 141-102)  
Woodfield Drinking Water System (license # 141-116)  
Woodville Drinking Water System (license # 141-115)

**Total audit duration:** Person(s): 1 Day(s): 1.25

**Audit Team Member(s):** Team Leader Paul Cartlidge

**Other Participants:** None

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## Audit Report

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### Definitions and action required with respect to audit findings

#### Major Non-conformance:

Based on objective evidence, the absence of, or a significant failure to implement and/or maintain conformance to requirements of the applicable standard. Such issues may raise significant doubt as to the capability of the management system to achieve its intended outputs (i.e. the absence of or failure to implement a complete Management System clause of the standard); or

A situation which would on the basis of available objective evidence, raise significant doubt as to the capability of the Management System to achieve the stated policy and objectives of the customer.

NOTE: The "applicable Standard" is the Standard which SAI Global are issuing certification against, and may be a Product Standard, a management system Standard, a food safety Standard or another set of documented criteria.

Action required: This category of findings requires SAI Global to issue a formal NCR; to receive and approve client's proposed correction and corrective action plans; and formally verify the effective implementation of planned activities. Correction and corrective action plan should be submitted to SAI Global prior to commencement of follow-up activities as required. Follow-up action by SAI Global must 'close out' the NCR or reduce it to a lesser category within 90 days for initial certification and within 60 days for surveillance or re-certification audits, from the last day of the audit.

If significant risk issues (e.g. safety, environmental, food safety, product legality/quality, etc.) are detected during an audit these shall be reported immediately to the Client and more immediate or instant correction shall be requested. If this is not agreed and cannot be resolved to the satisfaction of SAI Global, immediate suspension shall be recommended.

In the case of initial certification, failure to close out NCR within the time limits means that the Certification Audit may be repeated.

If significant risk issues (e.g. safety, environmental, food safety, product legality/quality, etc.) are detected during an audit these shall be reported immediately to the Client and more immediate or instant correction shall be requested. If this is not agreed and cannot be resolved to the satisfaction of SAI Global, immediate suspension shall be recommended.

In the case of an already certified client, failure to close out NCR within the time limits means that suspension proceedings may be instituted by SAI Global.

Follow-up activities incur additional charges.

#### Minor Non-conformance:

Represents either a management system weakness or minor issue that could lead to a major nonconformance if not addressed. Each minor NC should be considered for potential improvement and to further investigate any system weaknesses for possible inclusion in the corrective action program

Action required: This category of findings requires SAI Global to issue a formal NCR; to receive and approve client's proposed correction and corrective action plans; and formally verify the effective implementation of planned activities at the next scheduled audit.

#### Opportunity for Improvement:

A documented statement, which may identify areas for improvement however shall not make specific recommendation(s).

Action required: Client may develop and implement solutions in order to add value to operations and management systems. SAI Global is not required to follow-up on this category of audit finding.

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## **Audit Type and Purpose**

### **Surveillance Audit:**

A systems desktop audit in accordance with the systems audit procedure as it applies to Full Scope accreditation. The audit also included consideration of the results of the most recent audit undertaken in accordance with this Accreditation Protocol and any of the following that have occurred subsequent to that audit including but limited to;

- (a) the results of any audits undertaken in accordance with element 19 of the DWQMS V2;
- (b) historical responses taken to address corrective action requests made by an Accreditation Body;
- (c) the results of any management reviews undertaken in accordance with element 20 of the DWQMS V2; and,
- (d) any changes to the documentation and implementation of the QMS.

### **Audit Objectives**

The objective of the audit was to determine whether the drinking water Quality Management System (QMS) of the subject system conforms to the requirements of the Ontario Ministry of the Environment & Climate Change (MOECC) Drinking Water Quality Management Standard (DWQMS V2).

The audit was also intended to gather the information necessary for SAI Global to assess whether accreditation can continue or be offered or to the operating authority.

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## **Audit Report**

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### **Audit Scope**

The facilities and processes associated with the operating authority's QMS were objectively evaluated to obtain audit evidence and to determine a) whether the quality management activities and related results conform with DWQMS V2 requirements, and b) if they have been effectively implemented and/or maintained.

### **Audit Criteria:**

- The Drinking Water Quality Management Standard Version 2
- Current QMS manuals, procedures and records implemented by the Operating Authority
- SAI Global Accreditation Program Handbook

### **Confidentiality and Documentation Requirements**

The SAI Global stores their records and reports to ensure their preservation and confidentiality. Unless required by law, the SAI Global will not disclose audit records to a third party without prior written consent of the applicant. The only exception will be that the SAI Global will provide audit and corrective action reports to the Ontario Ministry of the Environment. For more information, please refer to the SAI Global Accreditation Program Handbook.

As part of the SAI Global Terms, it is necessary for you to notify SAI Global of any changes to your Quality Management System that you believe are significant enough to risk non-conformity with DWQMS V2: For more information, please refer to the SAI Global Accreditation Program Handbook.

### **Review of any changes**

Changes to the Operating Authority since last audit include: none identified

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## **EXECUTIVE OVERVIEW**

Based on the results of this surveillance system audit the management system remains effectively implemented and meets the requirements of the standard relative to the scope of certification; therefore, a recommendation for continued certification will be submitted.

## **Recommendation**

Based on the results of this audit it has been determined that the management system is effectively implemented and maintained and meets the requirements of the standard relative to the scope of certification identified in this report; therefore, a recommendation for continued certification will be submitted to SAI Global review team.

## **Opportunities for Improvement:**

The following opportunities for improvement have been identified.

- Element # 8 - Consider including cyberterrorism as part of the hazard identification for Terrorist Threat.
- Element # 8 - Consider adding microcystin test result threshold as part of the CCP for Algae Blooms
- Element # 19 - Consider specifically referencing V2.0 of the Drinking Water Quality Management Standard in the Internal Audit Report Template (also noted in 2019 Systems Audit).

It is suggested that the opportunities for improvement be considered by management to further enhance the Operating Authority's Quality Management System and performance.

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## **Audit Report**

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### **Management System Documentation**

The management systems operational plan was reviewed and found to be in conformance with the requirements of the standard.

### **Management Review**

Records of the most recent management review meetings were verified and found to meet the requirements of the standard. All inputs were reflected in the records, and appear suitably managed as reflected by resulting actions and decisions.

### **Internal Audits**

Internal audits are being conducted at planned intervals to ensure conformance to planned arrangements, the requirements of the standard and the established management system.

### **Corrective, Preventive Action & Continual Improvement Processes**

The Operating Authority is implementing an effective process for the continual improvement of the management system through the use of the quality policy, quality objectives, audit results, data analysis, the appropriate management of corrective and preventive actions and management review.

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## Audit Report

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### Summary of Findings

1. Quality Management System	NANC
2. Quality Management System Policy	Conforms
3. Commitment and Endorsement	Conforms
4. Quality Management System Representative	Conforms
5. Document and Records Control	NANC
6. Drinking-Water System	Conforms
7. Risk Assessment	Conforms
8. Risk Assessment Outcomes	OFI x 2
9. Organizational Structure, Roles, Responsibilities and Authorities	NANC
10. Competencies	Conforms
11. Personnel Coverage	Conforms
12. Communications	NANC
13. Essential Supplies and Services	Conforms
14. Review and Provision of Infrastructure	NANC
15. Infrastructure Maintenance, Rehabilitation & Renewal	Conforms
16. Sampling, Testing and Monitoring	Conforms
17. Measurement & Recording Equipment Calibration and Maintenance	NANC
18. Emergency Management	Conforms
19. Internal Audits	OFI
20. Management Review	Conforms
21. Continual Improvement	Conforms
<b>Major NCR #</b>	Major non-conformity. The auditor has determined one of the following: (a) a required element of the DWQMS has not been incorporated into a QMS; (b) a systemic problem with a QMS is evidenced by two or more minor non conformities; or (c) a minor non-conformity identified with a corrective action request has not been remedied.
<b>Minor NCR #</b>	Minor non-conformity. In the opinion of the auditor, part of a required element of the DWQMS has not been incorporated satisfactorily into a QMS.
<b>OFI</b>	Opportunity for improvement. Conforms to requirement, but there is an opportunity for improvement.
<b>Conforms</b>	Conforms to requirement.
<b>NANC</b>	Not applicable/Not Covered during this audit.
<b>****</b>	Additional comment added by auditor in the body of the report.

**Audit Report**

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**PART D. Audit Observations, Findings and Comments**

DWQMS Reference:	2 Quality Management System Policy
Client Reference:	QMS E2 Quality Management System Policy (2019 Endorsement), revision 0, November 18, 2016
Details: Policy Statement describes the goals of the Quality Management System – reviewed and accepted. Policy Statement is endorsed by The Mayor and CAO of the City of Kawartha Lakes in December 2019.	

DWQMS Reference:	3 Commitment and Endorsement
Client Reference:	QMS E3 Commitment and Endorsement, revision 1, November 11, 2017
Details: QMS E3 is signed by the Director, Public Works, Manager, Environmental Services and Supervisor, Water and Wastewater Operations in January 2020. Reviewed and accepted.	

DWQMS Reference:	4 Quality Management System Representative
Client Reference:	QMS E4 QMS Representative, revision 5, April 25, 2018
Details: The role of QMS Representative is appointed through procedure QMS E4 and the letter of appointment for the Quality Management and Policy Coordinator signed April 2015. Designate also identified as the Supervisor of Environmental Services, signed April 2015. Reviewed and accepted.	

DWQMS Reference:	6 Drinking Water System
Client Reference:	QMS E6 Drinking Water System, revision 17, July 11, 2019
Details: Contents of Drinking Water System Descriptions reviewed and accepted for all systems including: <ul style="list-style-type: none"><li>• Lindsay Drinking Water System (Treatment and Distribution)</li><li>• Bobcaygeon Drinking Water System (Distribution only)</li><li>• Canadiana Shores Drinking Water System (Distribution only)</li><li>• Fenelon Falls Drinking Water System (Distribution only)</li><li>• Janetville Drinking Water System (Distribution only)</li><li>• Kings Bay Drinking Water System (Distribution only)</li><li>• Kinmount Drinking Water System (Distribution only)</li><li>• Manilla Drinking Water System (Distribution only)</li><li>• Manorview Drinking Water System (Distribution only)</li><li>• Mariposa Estates Drinking Water System (Distribution only)</li><li>• Norland Drinking Water System (Distribution only)</li><li>• Omemee Drinking Water System (Distribution only)</li><li>• Pinewood Drinking Water System (Distribution only)</li><li>• Pleasant Point Drinking Water System (Distribution only)</li><li>• Southview Drinking Water System (Distribution only)</li><li>• Victoria Place Drinking Water System (Distribution only)</li><li>• Woodfield Drinking Water System (Distribution only)</li><li>• Woodville Drinking Water System (Distribution only)</li><li>• Sonya Village Subdivision Drinking Water System (Distribution only)</li><li>• Western Trent/Palmina Drinking Water System (Distribution only)</li><li>• Birchpoint Estates Drinking Water System (Distribution only)</li></ul>	

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## Audit Report

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DWQMS Reference	7 Risk Assessment
Client Reference:	QMS E7 Risk Assessment, revision 10, February 6, 2020
Details: Procedure E7 reviewed and accepted.	

DWQMS Reference:	8 Risk Assessment Outcomes
Client Reference:	QMS E8 Risk Assessment Outcomes, revision 0, March 6, 2018 QMS E8 Appendix 1 Risk Assessment Rating and Best Management Practices, revision 4, June 25, 2018 QMS-08-T-01 Risk Assessment Tables, revision 0, November 4, 2019 QMS E8 T2 Summary of Critical Control Points, revision 0, November 29, 2019
Details: Risk Assessment Outcomes adequately describes all risk, hazards, hazardous events and critical control limits for the Drinking Water System and covers all required risks as described in the MOECC document "Potential Hazardous Events for Municipal Residential Drinking Water Systems". Risk assessment outcomes are summarized in the Risk Assessment Tables and are current for Lindsay DWS and all Distribution Systems as of November 2019 when the most recent Annual Review was performed. Reviewed and accepted.	
<b>Opportunities for Improvement:</b>	
<ul style="list-style-type: none"><li>• Consider including cyberterrorism as part of the hazard identification for Terrorist Threat.</li><li>• Consider adding microcystin test result threshold as part of the CCP for Algae Blooms</li></ul>	

DWQMS Reference:	10 Competencies
Client Reference:	QMS E10 Competencies, revision 15, October 17, 2019 QMS E10 T1 Competencies Table, revision 11, August 13, 2019
Details: Procedure E10 reviewed and accepted.	

DWQMS Reference:	11 Personnel Coverage
Client Reference:	QMS E11 Personnel Coverage, revision 13, February 6, 2020
Details: Procedure E11 reviewed and accepted.	

DWQMS Reference:	13 Essential Supplies and Services
Client Reference:	QMS E13 Essential Supplies and Services, revision 10, November 21, 2016
Details: Procedure E13 reviewed and accepted. List of essential suppliers and contractors is maintained (updated January 2020).	

DWQMS Reference:	15 Infrastructure Maintenance, Rehabilitation and Renewal
Client Reference:	QMS E15 Infrastructure Maintenance, Rehabilitation and Renewal, revision 14, October 18, 2019
Details: Procedure E15 reviewed and accepted. Operational Plan includes a process for maintenance of Infrastructure and includes a requirement to review with the System Owner. Reviewed and accepted.	

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## Audit Report

DWQMS Reference:	16 Sampling, Testing and Monitoring
Client Reference:	QMS E16 Sampling, Testing and Monitoring, revision 10, May 30, 2019 QMS E16 T1 DWS Sampling, Testing and Monitoring Table, revision 6, May 30, 2019
Details: Procedure E16 and sampling table reviewed and accepted.	

DWQMS Reference:	18 Emergency Management
Client Reference:	QMS E18 Emergency Management, revision 11, July 11, 2017
Details: Procedure E18 reviewed and accepted. Contingency Plan for Lindsay DWS and an Emergency Contact list are established. Most recent emergency response test performed April 8, 2019.	

DWQMS Reference:	19 Internal Audits
Client Reference:	QMS E19 Internal Audits, revision 8, September 27, 2018
Details: Procedure E19 reviewed and accepted. Internal Audits are performed at least once every calendar year. Most recent internal audit for City of Kawartha Lakes Systems performed November 18-22, 2019. No Non-conformances and 11 Opportunities for Improvement were identified. Follow-up on Opportunities for Improvement were performed on individual OFI forms (see element 21 below). Content of the internal audit reflected DWQMS V2.0 requirements.	
<b>Opportunity for Improvement</b> – Consider specifically referencing <u>V2.0</u> of the Drinking Water Quality Management Standard in the Internal Audit Report Template (also noted in 2019 Systems Audit).	

DWQMS Reference:	20 Management Review
Client Reference:	QMS E20 Management Review, revision 8, April 26, 2018
Details: Procedure E20 captures all PLAN requirements from section 20 of the DWQMS. Management Reviews are conducted a minimum of once every calendar year. Reviewed and accepted. Most recent Management Review Meeting performed July 22, 2019. Action items are noted in the meeting minutes and on the Action Items Tracking Log. Updates made as action items are completed (e.g. update to risk assessment tables for 2 items with changed risk ratings). Reviewed and accepted.	

DWQMS Reference:	21 Continual Improvement
Client Reference:	QMS E21 Continual Improvement, revision 9, November 12, 2019
Details: Procedure E21 reviewed and accepted. Corrective Actions, Preventive Actions and Best Management Practices reviewed included:	
<ul style="list-style-type: none"><li>• 11 Opportunities for Improvement from 2019 Internal Audit</li><li>• CAR # 2019-02 for TC count of 21 from a hydrant sample</li><li>• Best Management Practices are reviewed during the Risk Assessment as described in QMS E08 Appendix 1 Risk Assessment Rating and Best Management Practices, revision 4, June 25, 2018</li></ul>	

## **Audit Report**

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Details regarding the personnel interviewed and objective evidence reviewed are maintained on file at SAI Global.

This report was prepared by:

Paul Carlidge  
SAI Global Management Systems Auditor

The audit report is distributed as follows:

- SAI Global
- Operating Authority
- Owner
- MOECC

## **Notes**

Copies of this report distributed outside the organization must include all pages.

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