

Internal QMS Audit Report

LaSalle Water Distribution System Owned & Operated by: The Town of LaSalle

Report Prepared By: Karen Burgess, Senior Operations Manager, OCWA

Report Issued: September 26, 2019

CONFIDENTIAL – This report was prepared to provide an evaluation of the conformance of Quality Management System (QMS) as implemented at the above facility(ies) to the requirements of the Drinking Water Quality Management Standard (DWQMS). The information contained in this report reflects the best judgment of the auditor(s) in light of the information made available at the time of preparation. Nothing in this report should be taken as legal advice. The auditor(s) make no representations whatsoever concerning the legal significance of the findings, or as to legal matters touched on in this report, including but not limited to the application of any law to the facts set out herein.

GENERAL INFORMATION

Audit Objectives:

- To evaluate the conformance of the Quality Management System (QMS) as implemented at the Drinking Water System(s) listed below to the requirements of the Drinking Water Quality Management Standard (DWQMS) version 2.0 (v.2.0).
- To identify non-conformities with the documented QMS.
- To assess the effectiveness of the QMS and assist in its continual improvement.

Audit Criteria:

- DWQMS v.2.0
- Current Operational Plan for the LaSalle Water Distribution System, Revision 15 Sept. 11, 2019
- QMS-related documents and records

Audit Scope:

Activities and processes related to QMS (as documented in the DWQMS Operational Plan) implemented at the following Drinking Water System(s) (DWS) owned by the Town of LaSalle:

1. LaSalle Water Distribution System

Auditor(s): Karen Burgess, Senior Operations Manager, OCWA

Participant(s): Lena Petros, Manager of Water & Wastewater and QMS Representative

Date(s): September 17, 2019

Audit Methods: Interviews, observation of activities and review of documentation and records

1. SUMMARY OF FINDINGS

The overall effectiveness of the QMS is considered: \square Effective \square Not effective

DWQMS Element	Finding
1. Quality Management System	C
2. Quality Management System Policy	C
3. Commitment and Endorsement	C
4. Quality Management System Representative	C
5. Document and Records Control	OFI
6. Drinking Water System	C
7. Risk Assessment	OFI
8. Risk Assessment Outcomes	C

9. Organizational Structure, Roles, Responsibilities and Authorities	C	
10. Competencies	OFI	
11. Personnel Coverage	С	
12. Communications	C	
13. Essential Supplies and Services	OFI	
14. Review and Provision of Infrastructure	C	
15. Infrastructure Maintenance, Rehabilitation and Renewal	C	
16. Sampling, Testing and Monitoring	OFI	
17. Measurement and Recording Equipment Calibration and Maintenance C		
18. Emergency Management C		
19. Internal Audits C		
20. Management Review C		
21. Continual Improvement OFI		
N/C Non-Conformance – non-fulfillment of a requirement		
OFI Opportunity for Improvement – conforms to the requirement, but there is opportunity for	Opportunity for Improvement – conforms to the requirement, but there is opportunity for improvement	
Conforms to the requirement		

2. DETAILS OF FINDINGS

DWQMS Element/Reference Element 5 – Document and Records Control		
Туре □ N/C	🛛 OFI	Auditor Comment
Description/Details		

Table 1 identifies many of the QMS documents as being available as a hard copy (HC) or electronic copy (EC) however now that City Wide is being utilized some of the documents are only available as EC.

OFI – Table 1 must be updated to reflect the current control location for each QMS document.

DWQMS Element/Reference				
Element 7 - Risk Assessment				
Type				
□ N/C	OFI	🗌 Auditor Commer	It	
Description/De	tails			
The risk asses	The risk assessment process outlined in the Operational Plan identifies all the requirements.			
It also stated that the Risk Assessment team considers the Ministry's "Potential Hazardous Events for Municipal Drinking Water System" in the risk assessment process.				
OFI - It is recommended to include the actual list of Potential Hazardous Event/Hazard Reference Numbers (based on MOECC's "Potential Hazardous Events for Municipal Residential Drinking Water Systems"). Staff will then have a clear understanding of what is referenced for this requirement.				
	System Type (indicate all that apply to this DWS)	Description of Hazardous Event/Hazard		
	All Systems	Long Term Impacts of Climate Change		
	All Systems	Water supply shortfall		
	All Systems	Extreme weather events (e.g., tornado, ice storm)		
	All Systems	Sustained extreme temperatures (e.g., heat wave, deep freeze)		
	All Systems	Chemical spill impacting source water		
	All Systems	Terrorist and vandalism actions		
	Distribution Systems	Sustained pressure loss		
	Distribution Systems	Backflow		
	Treatment Systems	Sudden changes to raw water characteristics (e.g., turbidity, pH)		
	Treatment Systems	Failure of equipment or process associated with primary disinfection (e.g., coagulant dosing system, filters, UV system, chlorination system)		
	Treatment Systems and Distribution Systems providing secondary disinfection	Failure of equipment or process associated with secondary disinfection (e.g., chlorination equipment, chloramination equipment)		
	Treatment Systems using Surface Water	Algal blooms		

DWQMS I	Element/Reference		
Element	t 10 - Competencies		
Туре			
□ N/C	⊠ OFI	Auditor Comment	
The requ	uired competencies noted in Table 6 are established	when designing job descriptions for particular	
positions	s. These competencies are then discussed with new staff	during the recruitment process.	
 It is indicated that a training Matrix is utilized to: Develop the skills and increase the knowledge of Operations staff and management, Provide operations with information and access to resources that can assist them in performing their duties, Assist operators in meeting the regulatory requirements with respect to training. 			
OFI - Since the training Matrix is only utilized for tracking training, it is recommended that first two bullets be reworded or removed.			

DWQMS Element/Reference Element 13 – Essential Supplies & Services		
Туре		
□ N/C	🖾 OFI	Auditor Comment
Description/Details		
An Essential Supplies & Services Contact List for the Public Works is listed in Table. The list includes names and telephone numbers for each of the suppliers and services that could be required. The procedure also identifies that this list is reviewed at least annually and updated as required.		
OFI – The contractor utilized for the annual third party calibration of the backflow preventers as identified in element 6 is not identified on the contact list and should be added.		

DWQMS Element/Reference Element 16 – Sampling, Testing & Monitoring		
Туре		
🗆 N/C	⊠ OFI	Auditor Comment
Description/Details		
All sampling, monitoring and testing is conducted at a minimum in accordance with SDWA O. Reg. 170/03. All sampling, testing and monitoring results are maintained at the Public Works office and are readily assessable to all staff if needed. Results are also shared with the Owner through the section 11 and schedule 22 annual reports and also through the Management Review process.		
It also indicates that all samples are submitted to an accredited laboratory however this was not provided upon request.		

OFI – Obtain a copy of the current laboratory accreditation and keep on file.

DWQMS Element/Reference			
Element 20 – Management Review			
Туре			
□ N/C	🖾 OFI	Auditor Comment	
Description/Details			
The Management Review must be conducted at least once every calendar year. The previous Management			
Review was conducted on September 17, 2018 and the most recent Management Review was conducted on			
September 13, 2019.			
OFI – It is recommended to hold the Management Review after the internal audit is fully completed so that any			
action items identified can be immediately reviewed and implemented as needed instead of reviewing them a year			

3. AUDIT CONCLUSIONS

later.

The auditor conducted an internal audit of the Town of LaSalle's QMS focusing on key quality management processes necessary to consistently produce and distribute drinking water that meets applicable requirements.

Taking into consideration all the findings of this audit and the above noted Opportunities for Improvement (OFI), the auditor has concluded that sufficient evidence has been provided to demonstrate that a QMS that meets the intent of the DWQMS v.2.0 has been established and actively implemented at this facility.