

Annual Water & Wastewater Quality Management Systems Update

Public Works Committee

PW 54-2021

December 7, 2021

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(Report PW 54-2021)

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Water Quality Management System (Water QMS)

water

Water QMS Activities

- Approved QMS Operational Plan and QMS accreditation are required under the Safe Drinking Water Act
- Milestones required to maintain accreditation



Water QMS Internal Audit

- Completed March 2021
- Findings:
 - 8 non-conformances
 - 6 potential non-conformances
 - 21 best practices for evaluation
- Corrective action plans identified by management and staff; implementation ongoing



Water QMS External Audit

- Audit completed May 2021
 - Off-site surveillance audit review
- No findings reported



Water Systems Risk Assessment

- Risk assessment reviews completed for all water systems
- No high-scoring risks identified: Any high scoring risks would be addressed through capital projects and adjustments to operating practices
- Critical control points remain unchanged
- Reassessment due in 2024



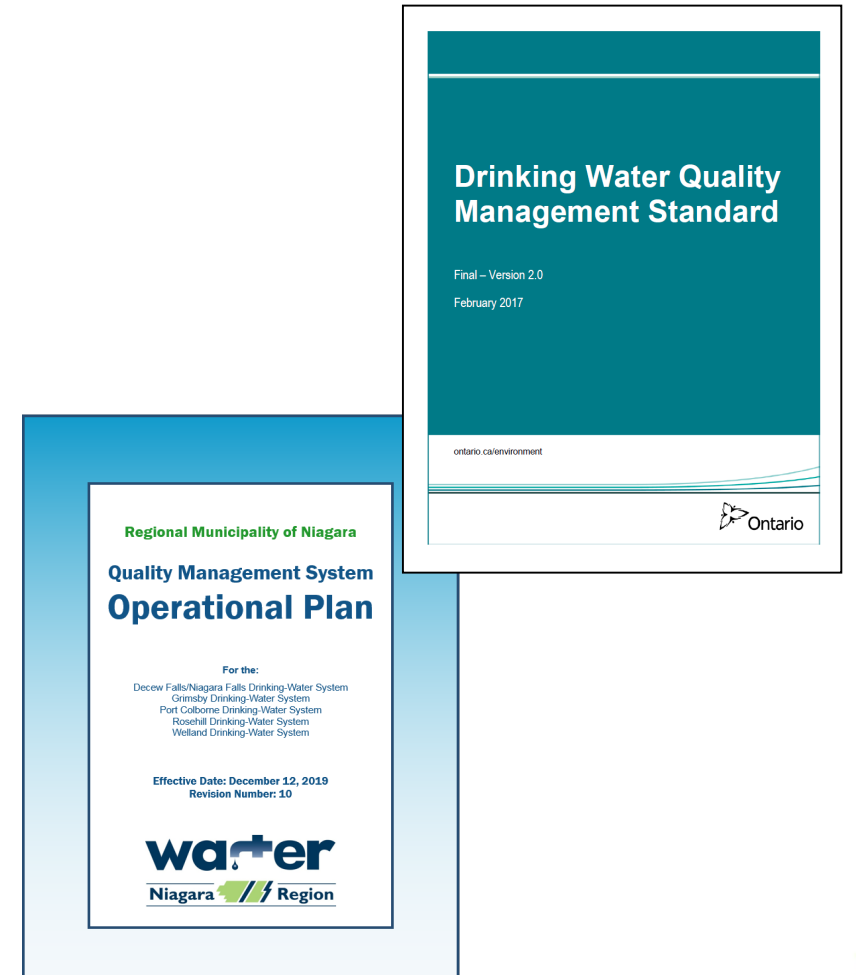
Water QMS Management Review

- Part 1 completed in May 2021
- Part 2 completed in November 2021
- **Five** action items issued since previous update; resolutions in progress



Changes Impacting Water QMS/Operational Plan

- No anticipated changes impacting QMS
- Changes impacting Operational Plan:
 - Minor changes to organizational structure
 - Minor update to existing water infrastructure



Wastewater Quality Management System (Wastewater QMS)

FLOW

Wastewater QMS Internal Audit

- Completed October 2021
- Findings:
 - 13 non-conformances
 - 0 potential non-conformances
 - 14 best practices for evaluation
- Corrective action plans identified by management and staff; implementation ongoing



Wastewater Systems Risk Assessment

- Risk assessment reviews completed in 2019 and 2020
- Full risk assessment completed in 2021
 - 83 high-risk items related to treatment and sewage collection systems
 - 39 high-risk items related to linear sanitary assets
- Next full re-assessment in 2024



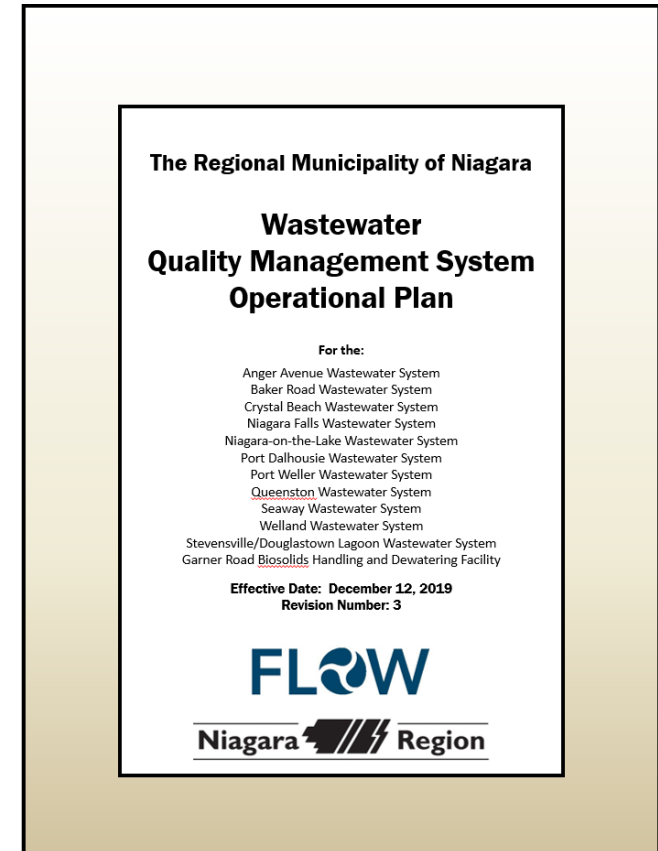
Wastewater QMS Management Review

- Part 1 completed in August 2021
- Part 2 completed in November 2021
- No action items issued since previous update



Changes Impacting Wastewater QMS/Operational Plan

- Changes impacting QMS:
 - New standard in development
 - Adoption will be voluntary
- Changes impacting Operational Plan:
 - Minor administrative changes



Questions

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