Ministry of the Environment, Conservation and Parks

DWQMS Workshop
Vision 2020

November 2020

Ontario

Overview

- General Overview
- Licensing Framework & Renewals
- Conformance vs Compliance
- DWQMS / Licensing Program updates
- Highlights from the past year
- Related & upcoming policy / program updates
- Q&A

General Overview

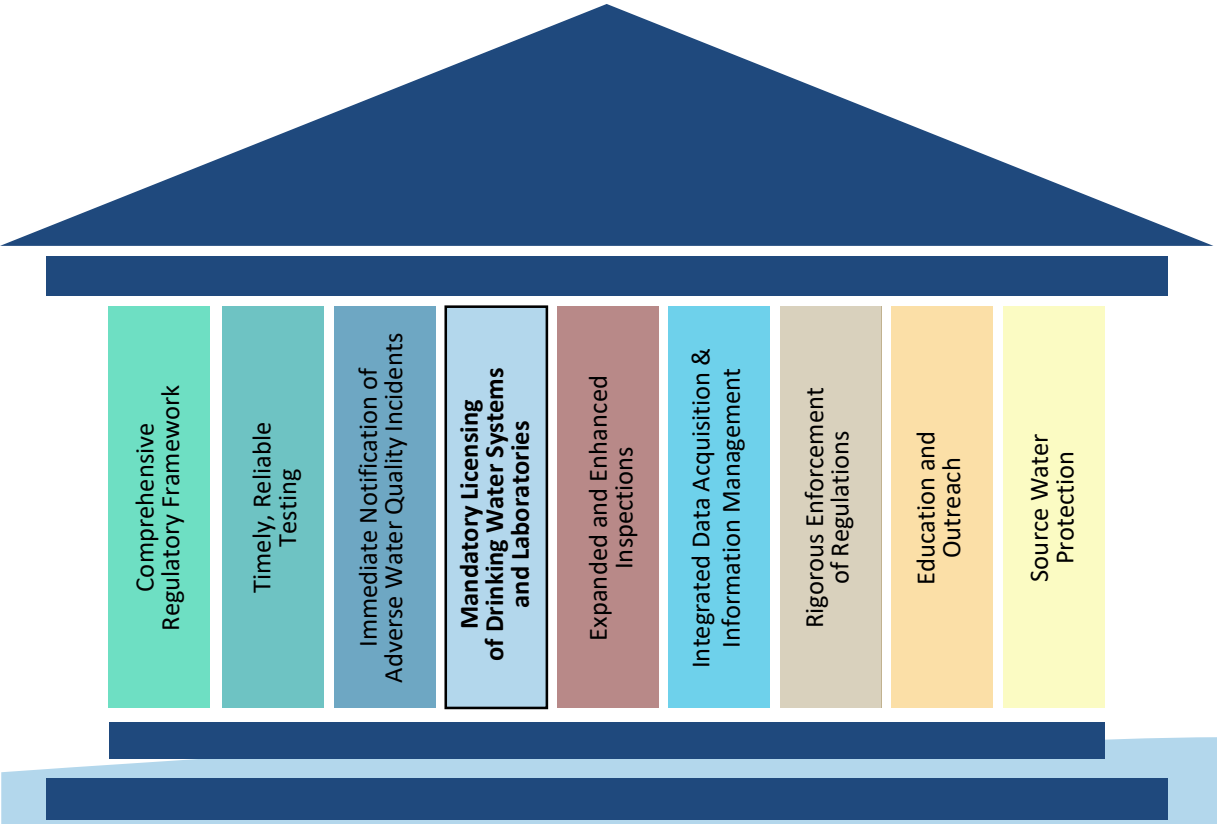
Overarching Principles

Goal is to ensure that drinking water systems allow delivery of water with a level of risk so negligible that an "informed person would feel safe drinking the water"

A number of measures have been introduced to reduce level of risk:

- Multiple barriers to prevent contaminants from reaching consumers
- Adopting a cautious approach to making decisions around drinking water safety
- Sound quality management/operating systems
- Effective regulation and oversight

Nine Fundamental Pillars of Safe Drinking Water Delivery



- Comprehensive Regulatory Framework
- Timely, Reliable Testing
- Immediate Notification of Adverse Water Quality Incidents
- **Mandatory Licensing of Drinking Water Systems and Laboratories**
- Expanded and Enhanced Inspections
- Integrated Data Acquisition & Information Management
- Rigorous Enforcement of Regulations
- Education and Outreach
- Source Water Protection

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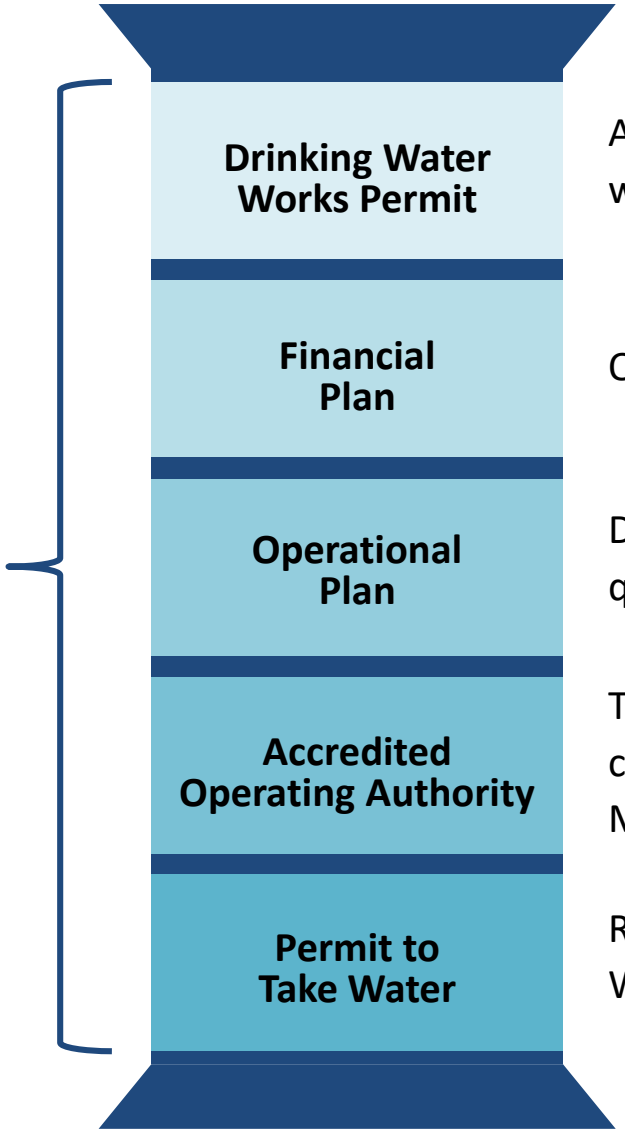
Mandatory Licensing of Municipal Drinking Water Systems

1 Licence
for
Each System
which is
All Interconnected
Works with the
Same Owner



A permit to establish or alter a drinking water system

O. Reg. 453/07

Documents an Operating Authority's quality management system (QMS)

Third party verification that the QMS conforms to the Drinking Water Quality Management Standard

Requirements outlined in the Ontario Water Resources Act

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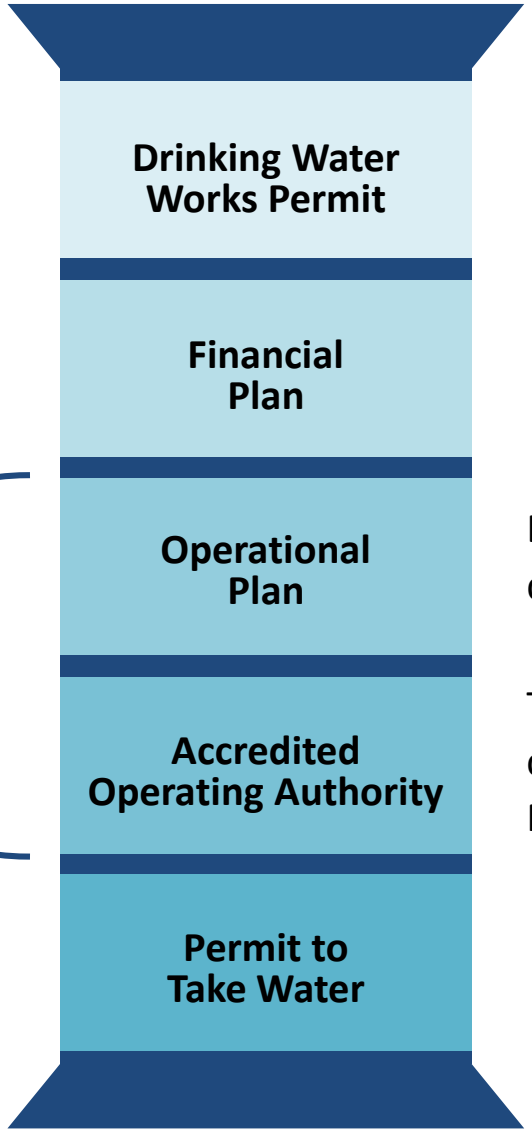
Mandatory Licensing of Municipal Drinking Water Systems



Based on DWQMS Requirements

Documents an Operating Authority's quality management system (QMS)

Third party verification that the QMS conforms to the Drinking Water Quality Management Standard

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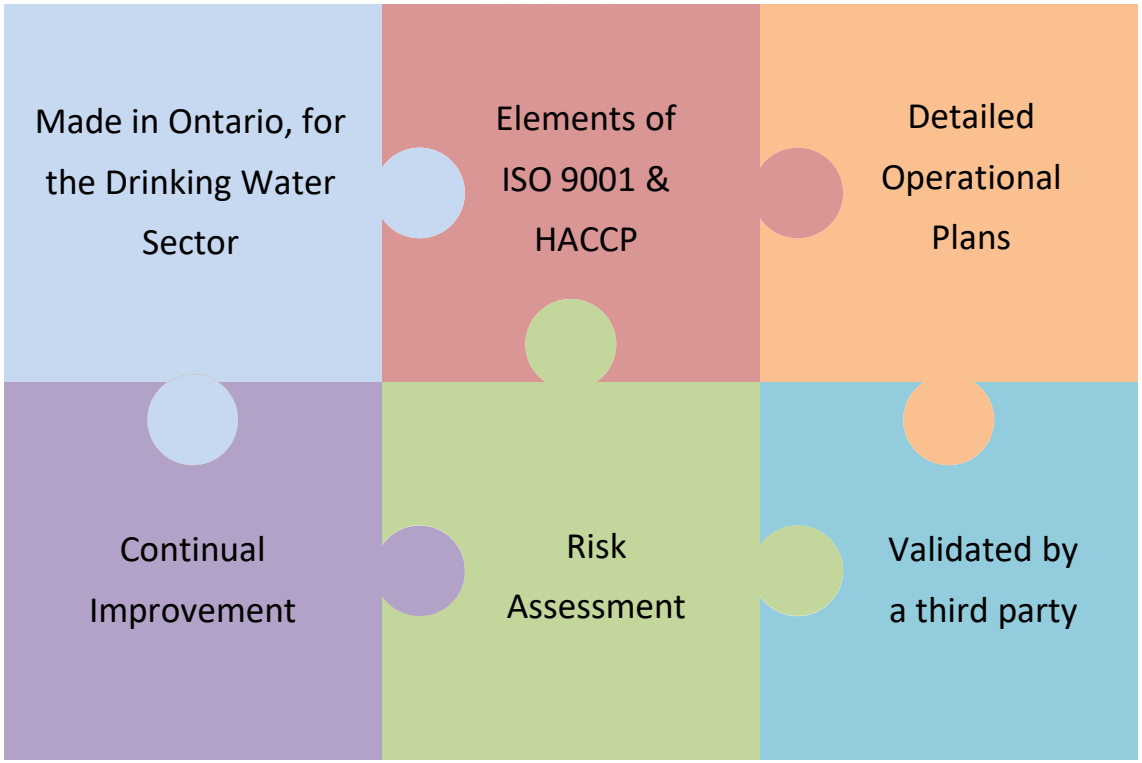
Drinking Water Quality Management Standard



Operating Authority:
The organization with care and control over the operation of the drinking water system.

- Third party 'Accreditation Bodies' designated by the Ministry
- Accreditation services paid for by operating authorities

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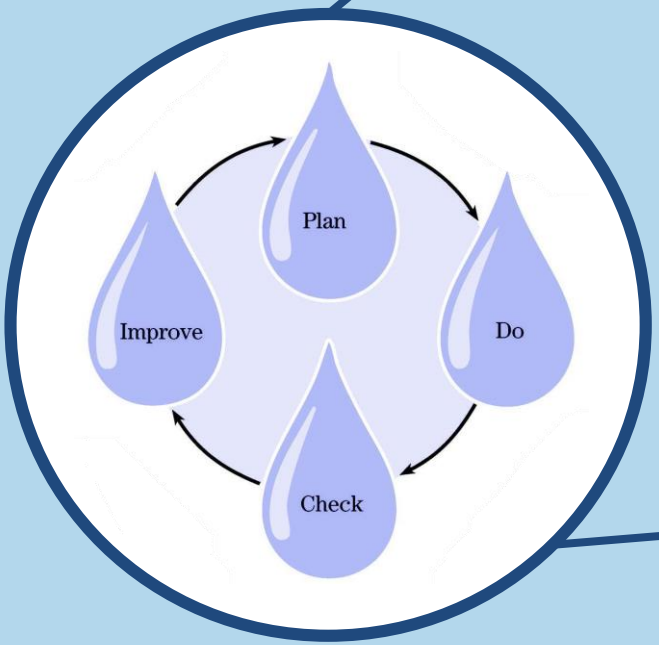
DWQMS Cycle



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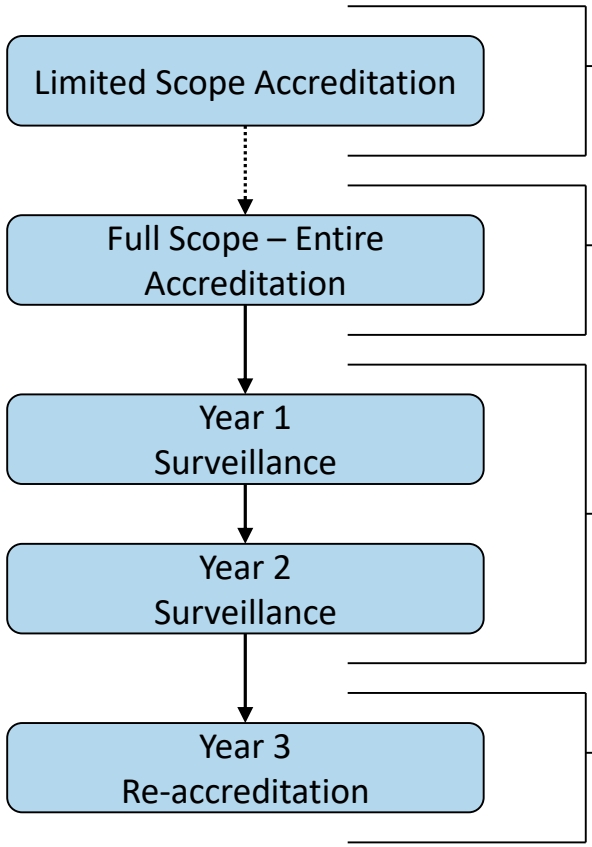
Accreditation



If limited scope accreditation is issued, must apply for full scope accreditation within a specified timeframe.

Full scope accreditation is based on a review of documented QMS and the implementation of the QMS. It includes an on-site audit.

Once full scope accreditation received, accreditation enters a three year cycle. In the first two years, documented QMS will be reviewed to ensure that it is being maintained and that it continues to meet the requirements of the DWQMS.

In year three, must re-apply for full scope accreditation. Re-accreditation involves a review of documented QMS and the implementation of the QMS. It includes an on-site audit

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Accreditation

Accreditation Body hires and trains all auditors

- Qualifications will require they have familiarity with drinking-water systems
- Focus is on management processes and procedures not on the operations of the drinking-water system

Conformance with the DWQMS

- Not a review of compliance with regulatory or legislative requirements
- Conformance can lead to compliance (doing things consistently helps to achieve the required outcomes)

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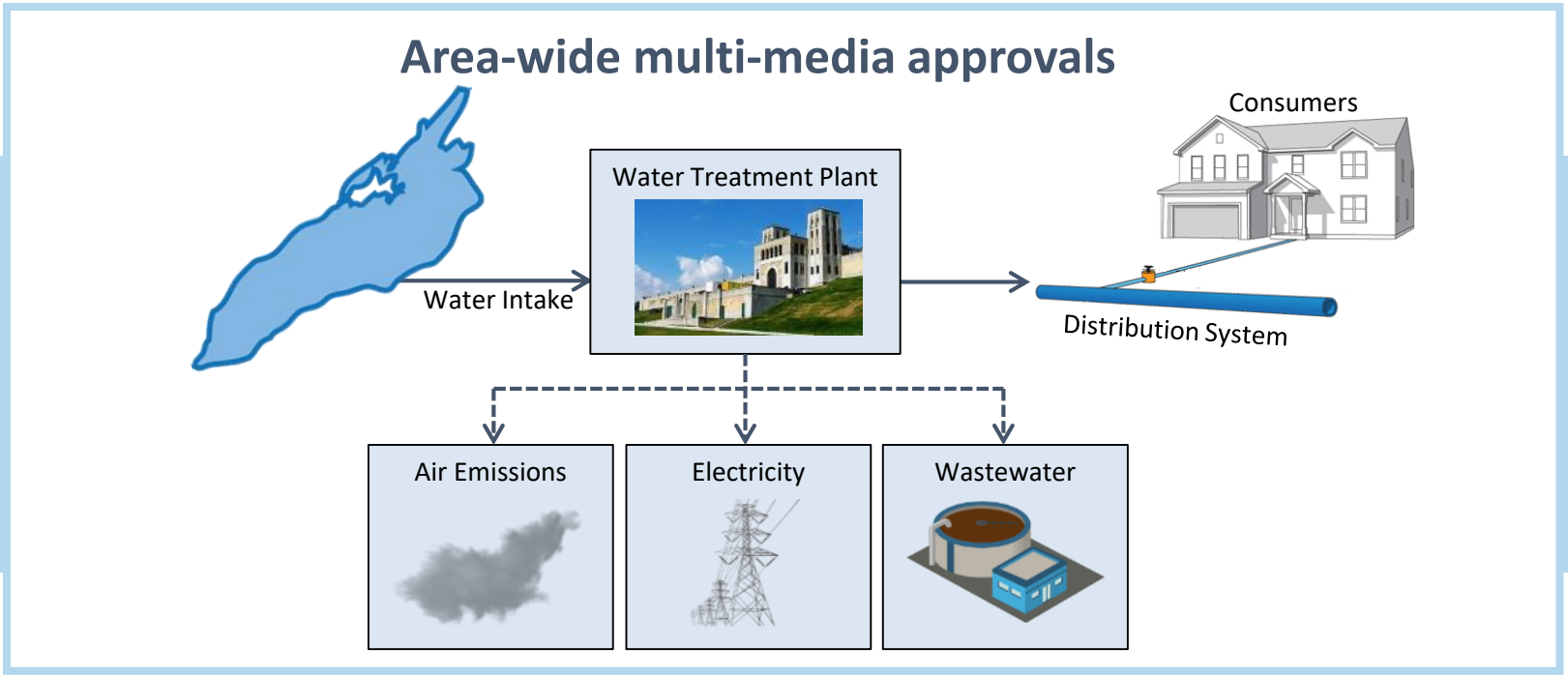
Licensing Framework
& Renewals

Municipal Systems

Drinking Water 'System' under SDWA includes any works for

- Collection, production, treatment, storage, supply and distribution of water
- Management of residue from the treatment process
- Discharge of a contaminant into the natural environment



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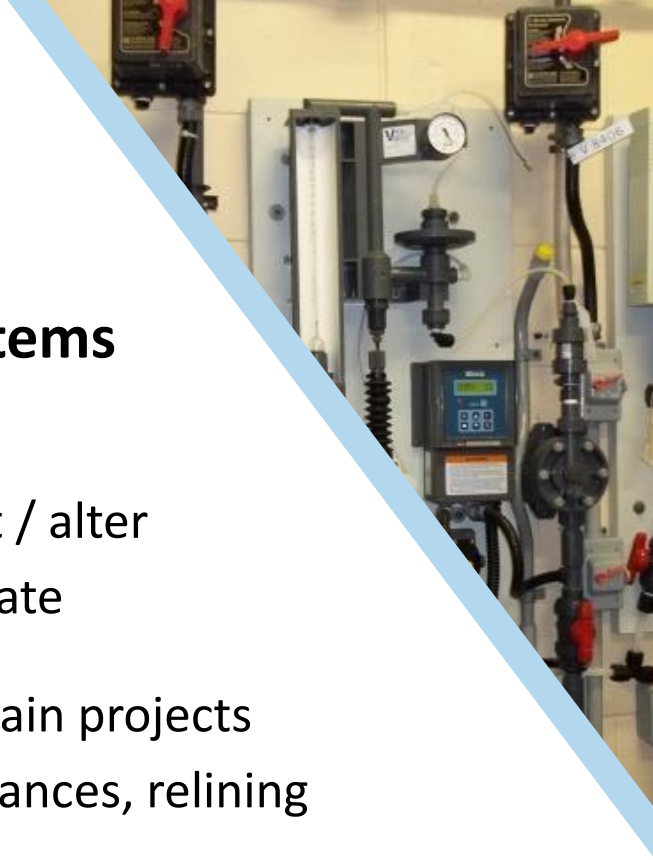
Municipal Systems



Small and Large Municipal Residential Systems

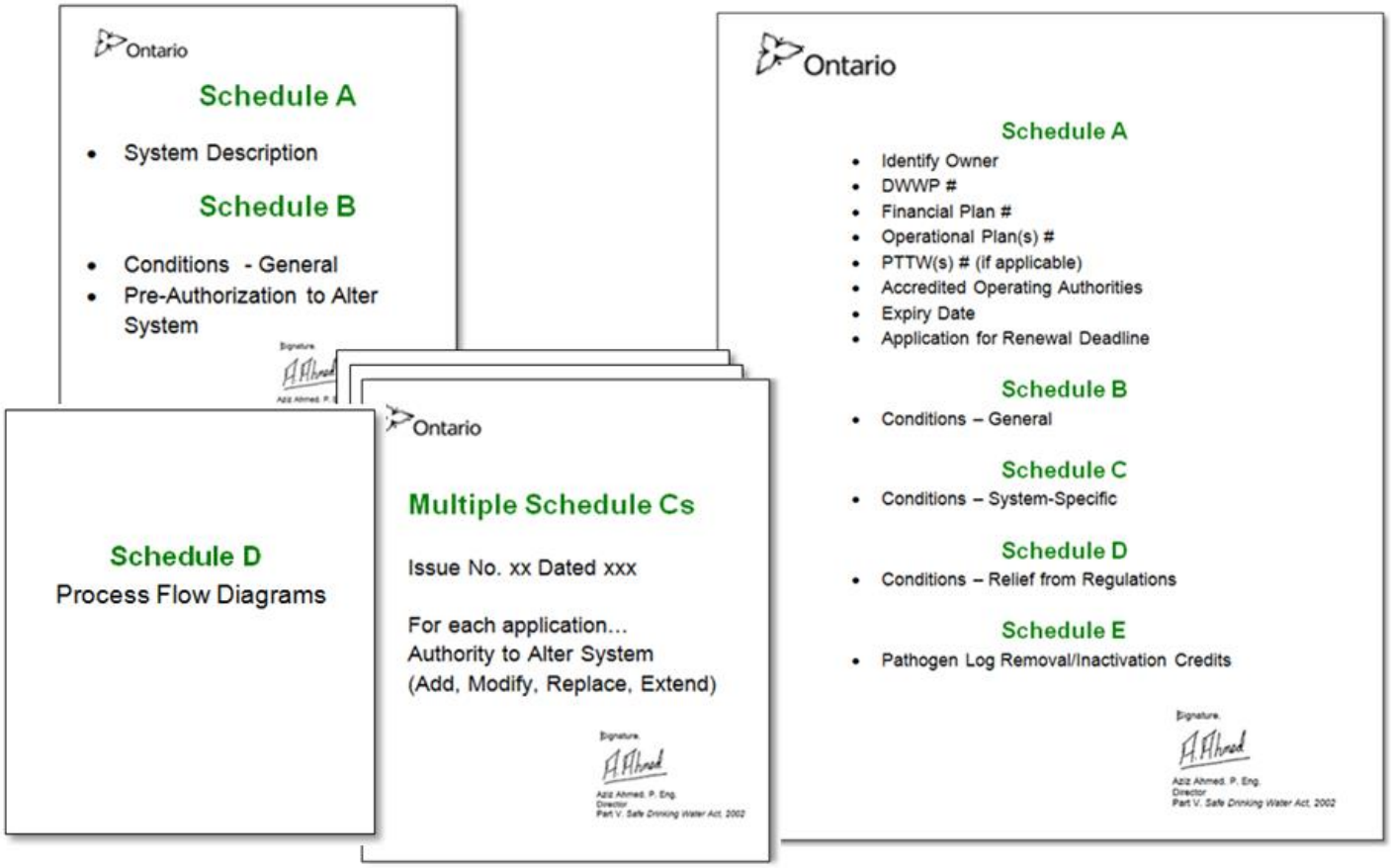
- Part V of the SDWA
  - Drinking Water Works Permit to construct / alter
  - Municipal Drinking Water Licence to operate
- Exemptions from approval requirements for certain projects
  - service connections, watermain appurtenances, relining
- Pre-authorization of establishment or alteration of certain works through the conditions of the DWWP
  - watermains,
  - minor modifications,
  - sources of emission to the atmosphere

Permissions

Drinking Water Works Permit & Municipal Drinking Water Licence

Does not expire

Renewed every 5 years



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Permissions

Drinking Water Works Permit

- Permission for the infrastructure and future alterations to the system.
- Site-specific - system designs are reviewed to ensure that the water works can produce drinking water that meets regulated standards.
- Does not expire, but may be amended based on changes to the system.
- Reviewed (and updated where needed) in conjunction with a licence renewal.

Municipal Drinking Water Licence

- Provides the authority to operate the drinking water system.
- Defines specific requirements and conditions for operations.
- Must be renewed every 5 years, ensuring that conditions associated with the infrastructure and operations are regularly reviewed from a technical perspective.

Drinking Water Works Permit

Pre-authorization of Alterations to the System

- Authorized through conditions in Schedule B of the permit
  - Adding, modifying, replacing or extending watermains;
  - Modifying or replacing specified components of the drinking water system (minor modifications);
  - Adding, modifying or replacing equipment with emissions to the air.
- Allows for a streamlined process to pre-approve works that have a low environmental risk with predicable outcomes.

Pre-authorization has resulted in approximately 900 fewer applications for municipalities to prepare, and for MECP to process, annually.

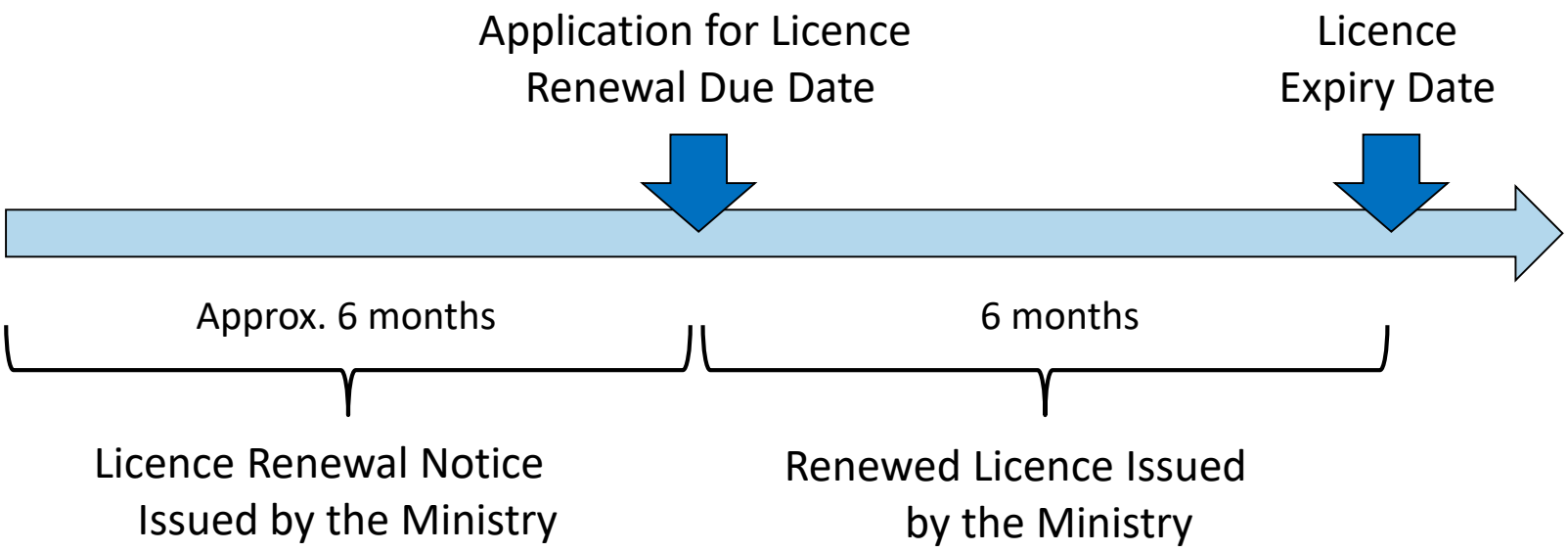
Municipal Drinking Water Licence

Defines specific requirements and conditions for operations.

- Requirement for Operations & Maintenance Manual
- System specific operating conditions
- Additional studies or technical reports, where necessary
- Outline of the pathogen log removal / inactivation credits granted to the system.

Must be renewed every 5 years, ensuring that conditions associated with the infrastructure and operations are regularly reviewed from a technical perspective.

Renewal Timelines



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Licence Renewal

How to Prepare

- Detailed information and helpful templates are available in the licence renewal guide (available in the WCWC Drinking Water Resource Library)
- Identify any administrative updates needed to your licence / permit
- Verify that you've submitted (and have a record of) any required Director Notification forms
- Ensure your Financial Plan meets the requirements
- Reach out with any questions: MDWLP@Ontario.ca

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Licence Renewal

Common Questions:

Can I get an extension for submitting my application?

- An application must be submitted by the deadline listed in Schedule A of your licence.

Can I have more time to finalize supporting information (e.g., receive council approval of the Financial Plan)?

- Short delays can typically be accommodated, but you must let us know. Reach out to discuss: MDWLP@Ontario.ca

What information needs to be included in a Raw Water Assessment?

- A template / example is included in the licence renewal guide. After reviewing the example, reach out to discuss if you need more information : MDWLP@Ontario.ca

Conformance
vs Compliance

Compliance

- Undertaken by qualified Ministry staff.
- Adherence to a standard or regulation.
- Pass or Fail.
- Focused on outcomes.

Did the owner comply with the regulatory requirements and conditions in their licence / permit?

Conformance

- Undertaken by quality management auditors.
- Implementation is flexible but must match a standard or reference.
- Supports the processes that lead to outcomes

To what extent does the documentation and implementation meet the requirements of the standard?

Compliance vs Conformance

- A deficiency in the QMS is a *non-conformance*.
- A *non-compliance* is a problem with respect to the regulatory requirements.

A system may have:

- A non-conformance but be in compliance
- A non-compliance but be in conformance with the DWQMS
- Have both a non-compliance and a non-conformance

Examples

- Calibration of an instrument not correctly documented
- Failure to follow procurement process for sodium hypochlorite
- Failure to conduct an internal audit of the QMS

DWQMS / Licensing Program
Updates

Organizational Re-Structuring

Ministry of the Environment, Conservation and Parks

Environmental Assessment and Permissions Division

Environmental Permissions Branch

Client Services & Permissions Branch

Municipal Water & Wastewater Permission Section

Permission Program Services Section

Contact Information

| Local: 416-314-4300 | Toll Free: 1-888-999-1305 | MDWLP@Ontario.ca |

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Municipal Water & Wastewater Permissions Section

- Dedicated section in the Environmental Permissions Branch for the municipal sector.
- Responsible for municipal drinking water licences and drinking water works permits.
- The process for applying and receiving these permissions has not changed.
- Section also leads the technical and engineering review of applications for other environmental permissions, including Environmental Compliance Approvals for municipal sewage systems and municipal stormwater management systems.

COVID-19

Working Remotely

- Contact information (phone numbers) have changed as a result of remote work arrangements.
- Electronic application submission is encouraged.

Pandemic Related Relief

- May be available where operations are impacted.
- For questions about the application process or to obtain a copy of the application form, email MDWLP@Ontario.ca.

Up-to-date contact information for Ministry staff is available online at **infogo.gov.on.ca**

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Quick Quiz: What do I mean?

1. Operating Authority
2. Owner / System Owner
3. DWQMS / DWQMS 2.0
4. Must / Shall
5. Should
6. Imminent / Soon / In the Near Future

Highlights
from the past year

DWQMS 2.0

QMS Updates (operational plan)

- Operational Plan updates complete (before first audit in 2019)
- Accreditation audit to DWMS 2.0 complete

Updates to Risk Assessment / Risk Assessment Procedure

- Your procedure should be updated to demonstrate how you will consider the hazardous events listed in the document “Potential Hazardous Events for Municipal Residential Drinking Water Systems”.
- If you’ve not already completed a risk assessment under the new framework, your next risk assessment should include these mandatory risks.

Watermain Disinfection Procedure
updated August 2020

The ministry's Watermain Disinfection Procedure sets out the requirement for all municipal systems for disinfection of watermains.

- Updated procedure were developed in consultation with municipal drinking water system owners, operating authorities, the Ontario Municipal Water Association and the Ontario Water Works Association and continue to ensure the safety of the water supply while providing flexibility when installing or repairing watermains.

- Eliminates unnecessary steps when disinfecting watermains that cross a transportation corridor where an extended closure would result in significant community impacts, such as traffic congestion, loss of emergency vehicle access and pubic safety concerns.

Watermain Disinfection Procedure
Highlights

Significant changes to the Preface and Section 1 to reflect the additional requirements for new watermains

- Clarification for when Certified Operators are required
- New requirements for Backflow Prevention for new watermains
- New exceptions for qualifying watermains >20m and up to 40m in length crossing transportation corridors

Watermain Disinfection Procedure
Highlights

Changes to Section 2 for Watermain Breaks

- All breaks classified as Category 2 by default
- Reports for watermain breaks go to Spills Action Centre during and after business hours

Section 3.1 was added to define documentation requirements for new watermains.

New Definitions added to appendices so they did not need to appear through document

Watermain Disinfection Procedure
Implementation

The revised procedure will take effect through dates in condition 2.3 of the DWWP

Two scenarios depending on the timing of the system's licence renewal

Licences already renewed prior to August 1, 2020:

DWWP Condition 2.3 already contains language requiring any new procedure be used **six months** from the **publication date** of the new procedure

Procedure dated Aug.1, 2020, transition required by Feb.1, 2021

If the system's licence was not renewed before August 1, 2020:

DWWP Condition 2.3 will be updated at licence renewal to include a date requiring the new procedure be used **six months** from the **issue date** of the renewed licence.

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Watermain Disinfection Procedure
Implementation

Example Permit for a Licence Renewed before August 1:

2.3 All parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with the applicable provisions of the following documents:

a) The ministry's Watermain Disinfection Procedure, dated November 2015;
b) Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure;
c) AWWA C652 – Standard for Disinfection of Water-Storage Facilities;
d) AWWA C653 – Standard for Disinfection of Water Treatment Plants; and
e) AWWA C654 – Standard for Disinfection of Wells.

2.3.1 For greater clarity, where an activity has occurred that could introduce contamination, including but not limited to repair, maintenance, or physical / video inspection, all equipment that may come in contact with the drinking water system shall be disinfected in accordance with the requirements of condition 2.3. above.

2.3.2 Updated requirements described in condition 2.3 b) are effective six months from the date of publication of the updated Watermain Disinfection Procedure.

Watermain Disinfection Procedure
Implementation

Example Permit for a Licence Renewed after August 1:

2.3 All parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with the applicable provisions of the following documents:

a) Until February 6, 2021, the ministry's Watermain Disinfection Procedure, dated November 2015, as of February 7, 2021, the ministry's Watermain Disinfection Procedure, dated August 1, 2020
b) Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure;
c) AWWA C652 – Standard for Disinfection of Water-Storage Facilities;
d) AWWA C653 – Standard for Disinfection of Water Treatment Plants; and
e) AWWA C654 – Standard for Disinfection of Wells.

2.3.1 For greater clarity, where an activity has occurred that could introduce contamination, including but not limited to repair, maintenance, or physical / video inspection, all equipment that may come in contact with the drinking water system shall be disinfected in accordance with the requirements of condition 2.3. above.

2.3.2 Updated requirements described in condition 2.3 b) are effective six months from the date of publication of the updated Watermain Disinfection Procedure.

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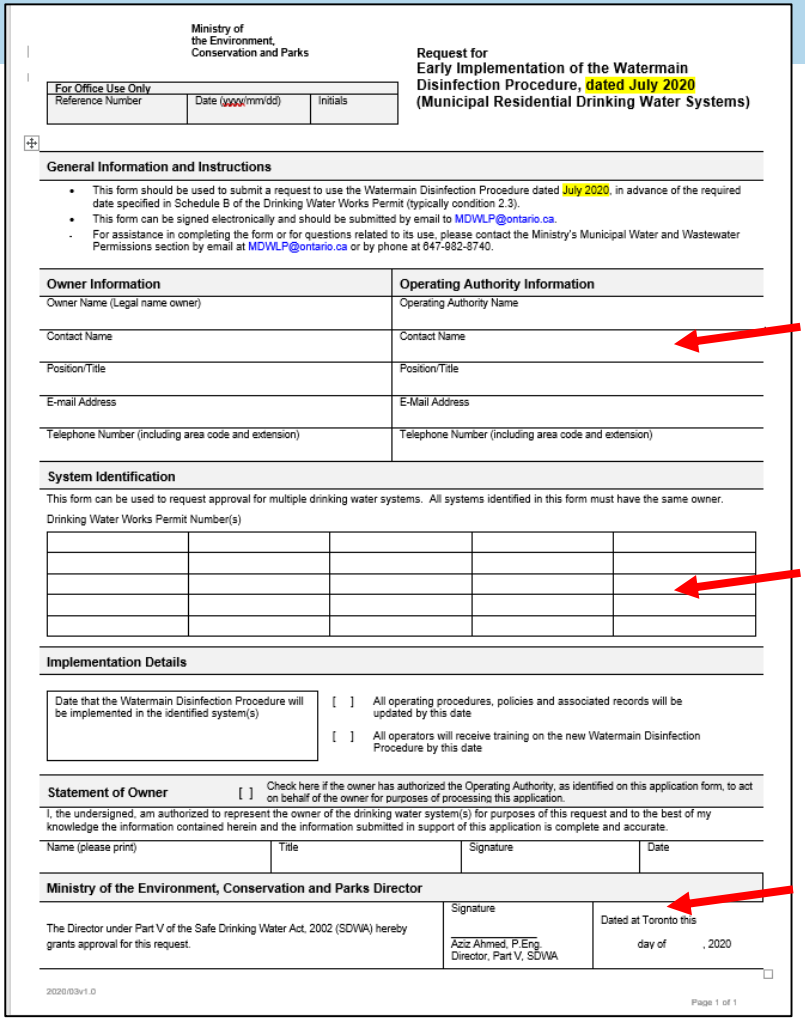
Watermain Disinfection Procedure

Early Implementation

Application Form

Application requirements

- Owners are required to request approval from the Director of the date they are going to start using the new WDP
- Attest to updating all procedures, policies and associated records by this date and training operators by this date



Ministry of the Environment, Conservation and Parks

Request for Early Implementation of the Watermain Disinfection Procedure, dated July 2020 (Municipal Residential Drinking Water Systems)

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

General Information and Instructions

- This form should be used to submit a request to use the Watermain Disinfection Procedure dated July 2020, in advance of the required date specified in Schedule B of the Drinking Water Works Permit (typically condition 2.3).
- This form can be signed electronically and should be submitted by email to MDWLP@ontario.ca.
- For assistance in completing the form or for questions related to its use, please contact the Ministry's Municipal Water and Wastewater Permissions section by email at MDWLP@ontario.ca or by phone at 647-982-8740.

Owner Information	Operating Authority Information
Owner Name (Legal name owner)	Operating Authority Name
Contact Name	Contact Name
Position/Title	Position/Title
E-mail Address	E-Mail Address
Telephone Number (including area code and extension)	Telephone Number (including area code and extension)

System Identification

This form can be used to request approval for multiple drinking water systems. All systems identified in this form must have the same owner.

Drinking Water Works Permit Number(s)

Implementation Details

Date that the Watermain Disinfection Procedure will be implemented in the identified system(s)

[ ] All operating procedures, policies and associated records will be updated by this date

[ ] All operators will receive training on the new Watermain Disinfection Procedure by this date

Statement of Owner [ ] Check here if the owner has authorized the Operating Authority, as identified on this application form, to act on behalf of the owner for purposes of processing this application.

I, the undersigned, am authorized to represent the owner of the drinking water system(s) for purposes of this request and to the best of my knowledge the information contained herein and the information submitted in support of this application is complete and accurate.

Name (please print)	Title	Signature	Date

Ministry of the Environment, Conservation and Parks Director

The Director under Part V of the Safe Drinking Water Act, 2002 (SDWA) hereby grants approval for this request.

Signature

Aziz Ahmed, P.Eng.
Director, Part V, SDWA

Dated at Toronto this

day of , 2020

2020/03v1.0

Page 1 of 1

Basic Identifying Information

One form for multiple systems with the same Owner and Operating Authority

Form will also be the approval

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SCADA Bulletin

Interpreting Requirements in the Licence / Permit

- Titled “Alterations to SCADA Systems in a Municipal Residential System (Technical Bulletin)”
- Provides an outline of the requirements that are applicable to the alteration of SCADA systems in a municipal residential drinking water system.
- While activities that are considered repair or maintenance are not subject to the approval requirements of the Act, any **alteration** to the system must be undertaken **in accordance with an approval** issued by the ministry.
- Condition 4 in Schedule B of the drinking water works permit authorizes minor modifications to the drinking water system. This includes the addition, modification or replacement of SCADA system hardware and certain changes to SCADA system software.

Regulated Parameters
Interpreting Requirements in the Licence / Permit

Pre-Authorized Alterations (Permit, Schedule B)

- Add, modify, replace or remove (condition 4.2)
  - Measuring and monitoring devices that **<u>are not required</u>** by regulation, by a condition in the Drinking Water Works Permit, or by a condition otherwise imposed by the Ministry.
- Replace (condition 4.3)
  - Measuring and monitoring devices that **<u>are required</u>** by regulation, by a condition in the Drinking Water Works Permit or by a condition otherwise imposed by the Ministry.

Regulated Parameters

Interpreting Requirements in the Licence / Permit

Regulated Parameter

A 'Regulated Parameter' is a parameter that must be tested in accordance with:

- The regulation;
- The municipal drinking water licence;
- The drinking water works permit; or,
- A condition otherwise imposed by the Ministry of the Environment, Conservation and Parks

Approval from the Ministry **is required** to add, remove or relocate instrumentation that monitors or measures a regulated parameter.

Non-Regulated Parameter

A parameter that is not required to be tested, and could include:

- Measurements taken to optimize a process;
- Monitoring undertaken to verify the effectiveness of a process;
- Measuring and monitoring undertaken for operational purposes.

The addition, modification, replacement or removal of instrumentation that monitors or measure a non-regulated parameter is pre-authorized through Schedule B of the Drinking Water Works Permit.

Regulated Parameters

Interpreting Requirements in the Licence / Permit

“Regulated Instrument”

- There is no regulatory definition, but the term is commonly used.
- Is an instrument that is used to monitor and measure one or more regulated parameter – requirements apply in relation to the regulated parameter.
- May be described in Schedule A of the Drinking Water Works Permit
- **Must** be checked and calibrated in accordance with the regulated requirements, the requirements of the licence / permit and/or other requirements imposed by the Ministry.

Regulated Parameters
Interpreting Requirements in the Licence / Permit

Requirements for instrumentation to be checked and calibrated:

- Regulatory Requirements (O. Reg., 170/03)
- Orders, letters, etc., from the Ministry.
- Schedule C in the Licence (flow measuring devices, CT monitoring system)

Example: Licence Requirements

- Check and calibrate, where necessary, in accordance with manufacturer's instructions.
- If no manufacturer's instructions, at least every 12 months

Regulated Parameters

Interpreting Requirements in the Licence / Permit

Check (verification)

- ❑ Is it working properly?
- ❑ Is it still adequate to perform the required function?
- ❑ Are the measurements accurate when checked against a reference?

Calibrate

- ❑ In accordance with requirements (e.g., if ‘check; confirms that measurements accurate, does it need to be calibrated?)

Regulated Parameters

Interpreting Requirements in the Licence / Permit

Example Regulated Parameters:

- Chlorine residuals for primary disinfection
- Chlorine residuals for secondary disinfection
- Turbidity

Example Non-Regulated Parameters:

- Additional monitoring of chlorine residuals, turbidity, etc when undertaken for process control
- Sampling undertaken for taste & odour (aesthetic objectives)
- Proactive sampling for microcystin
- pH, temperature, levels – where not regulated / operational.

Regulated Parameters

Interpreting Requirements in the Licence / Permit

Example Regulated Parameters:

- Chlorine residuals for primary disinfection
- Chlorine residuals for secondary disinfection
- Turbidity

Where parameter is monitored to comply with regulation / licence / permit / other condition

Example Non-Regulated Parameters:

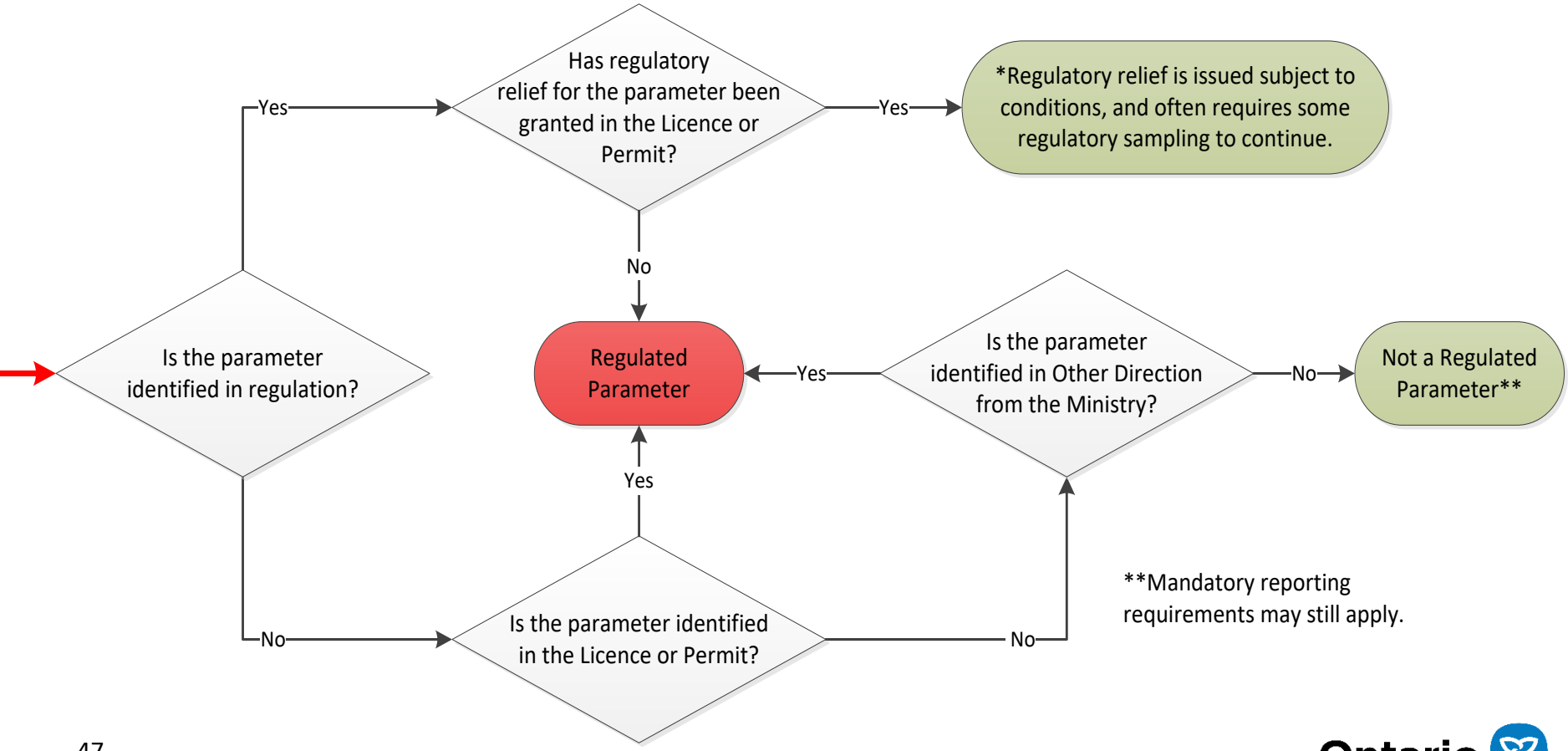
- Additional monitoring of chlorine residuals, turbidity, etc when undertaken for process control
- Sampling undertaken for taste & odour (aesthetic objectives)
- Proactive sampling for microcystin
- pH, temperature, levels – where not regulated / operational.

Reporting requirements for adverse test results can still apply.

Regulated Parameters

Interpreting Requirements in the Licence / Permit

Is the Parameter Regulated?



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Ontario.ca Website

How to find relevant forms, guides and bulletins

Landing Page:

Ontario.ca/drinkingwater

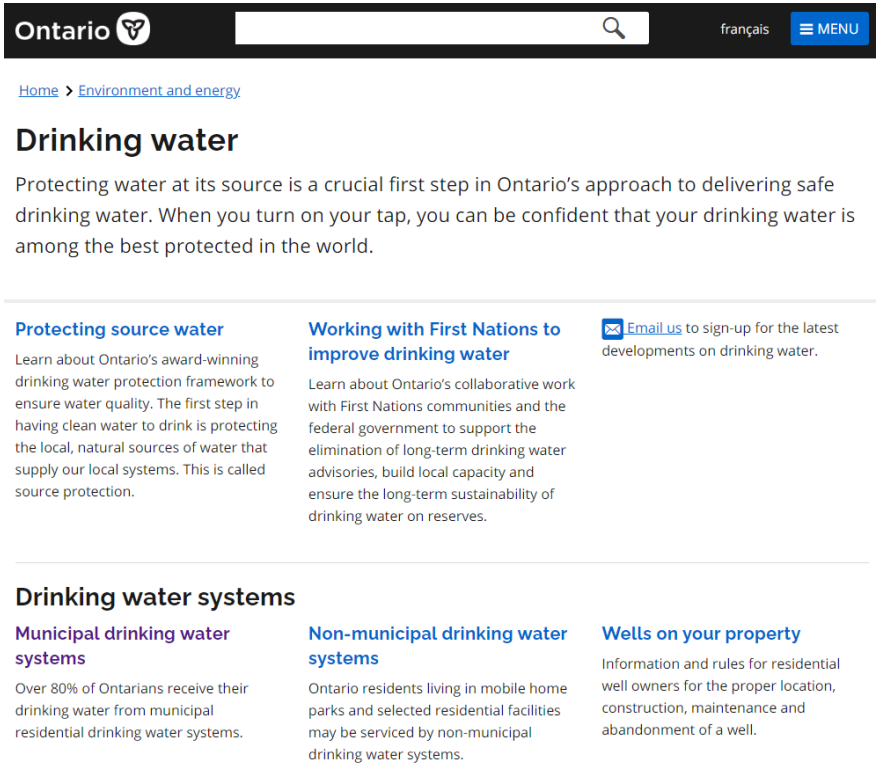
Key section:

Municipal Drinking Water Systems

Bulletins and other documents can be found under the heading:

"More help for applicants, owners and operating authorities"

Note: a list of MECP bulletins, with direct hyperlinks, is included as an appendix to this presentation.



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Related & Upcoming
Policy / Program Updates

Director's Directions
for Operational Plans

- The Director's Directions govern the minimum requirements for preparation and content of operational plans that are developed for municipal drinking water systems.
- The proposed administrative updates include:
  - Clarification of content requirements that apply when a single Operating Authority operates multiple, distinct, drinking water systems for the same owner;
  - Removal of reference to transitional accreditation options that were used during initial roll-out of the Municipal Drinking Water Licensing Program; and,
  - Updates to reflect more prevalent use of operational plans that can be made available to the public on a website and can be electronically version controlled.

GUDI Terms of Reference

Near Future

- Also known as the “Terms of Reference: Determination of Minimum Treatment for Municipal Residential Drinking Water Systems Using Subsurface Raw Water Supplies”
- Current GUDI Terms of Reference (2001) was to determine whether a communal well should be managed as being groundwater under the direct influence of surface water (GUDI).
- Updates are being prepared with extensive stakeholder consultation and expert advice to incorporate most current consensus of science.
- Updated GUDI Terms of Reference is expected to provide a well defined and cost effective way to challenge existing GUDI classification or assess changing water quality.

Consolidated Linear Infrastructure
Proposed Changes

- EBR posting: July 8, 2020-Sept 6, 2020 https://ero.ontario.ca/notice/019-1080.
- New permissions approach that will consolidate existing pipe-by-pipe approvals into one multi-media ECA for the sanitary collection system and another for stormwater management works.
- Modelled after approach used for municipal drinking water systems
- New design criteria and ECA templates will enable municipalities/developers to make future specified alterations in accordance with pre-authorization conditions similar to the drinking water works permit.
- Expected to reduce burden, improve transparency/consistency and enhance environmental protection.

Items of Interest

Amendments to the Wells Regulation

https://ero.ontario.ca/notice/013-1513

- Came into force Jan 1, 2020
- Amendments to the Wells Regulation to reduce administrative burden for the well construction industry, while maintaining protections for the environment, human health and public safety, and consumers.

The purpose of the amendments to the Wells Regulation is to:

- modify minimum insurance requirements for licensed well contractors to match insurance policies available in the marketplace
- update well casing specifications to harmonize with international standards
- allow placement of shallow well screens for long-term test holes and dewatering wells

Items of Interest

Amendments to Environmental Assessment Act

https://www.ola.org/en/legislative-business/bills/parliament-42/session-1/bill-108

- Bill 108 – More Homes, More Choice Act, 2019
- Exempt Part II Order Requests (PIIORs) for Schedule A & A+ projects
- Limit scope and time for PIIORs
- Proposed Municipal Class EA Amendments https://municipalclassea.ca/amendments/notice-of-proposed-amendments.html

Items of Interest

Standard for Haloacetic Acids (HAAs)

https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin

- Effective January 1, 2020
- Standard for HAAs is 0.08 mg/L (80 µg/L)
- Expressed as a running annual average
- Additional detail in the bulletin.

Other Items of Interest

- Mailing List
- DWQMS BMPs
- Pocket Guide
- Application Payment Information

Questions?

MECP General Mailbox
e-mail: mdwlp@ontario.ca

Christopher Manning
Tel: (647) 982-8740
Christopher.Manning@Ontario.ca

Amanda Boyden
Tel: (437) 833-3369
Amanda.Boyden@Ontario.ca

Appendix A: List of MECP Bulletins

Title	Description	Public Link
Steps to Becoming a Supervised Person	Ont. Regulation 170/03 requires persons taking a chlorine residual or turbidity test to hold either a valid drinking water operator's certificate or be a trained person (depending on the category of system). The regulation also allows persons working under the supervision of a certified operator to conduct these tests.	http://www.ontario.ca/page/steps-become-supervised-person
Filtration Processes	The purpose of this update is to provide clarification on how the Ministry interprets certain sections of the Act and regulations in order that all drinking water system owners and/or operators have a common understanding of the requirements when assessing filter performance, and to ensure safe drinking water in Ontario.	https://www.ontario.ca/page/filtration-processes-technical-bulletin
Ultraviolet Disinfection Technical Bulletin	This document outlines the ministry's position for employing ultraviolet (UV) equipment as primary disinfection in municipal residential drinking water systems.	https://www.ontario.ca/page/ultraviolet-disinfection-technical-bulletin
Total Trihalomethane (TTHM) Reporting Requirements Technical Bulletin	This update provides clarification on how the Ministry interprets section 18 (1) and (4) under the Safe Drinking Water Act, 2002 and Schedules 13 & 16 of O. Reg. 170/03. Licensed/eligible testing laboratories and drinking water system owners/operating authorities are required to calculate and report results to the appropriate authorities.	https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin
Residual Chlorine Analyzers Technical Bulletin	A technical bulletin to clarify the regulatory requirements of residual chlorine analysers installed at various locations of municipal residential drinking water systems in Ontario.	https://www.ontario.ca/page/residual-chlorine-analyzers-technical-bulletin

Appendix A: List of MECP Bulletins

Title	Description	Public Link
Laboratory Update Bulletin: Drinking Water Testing, Issue 2	The purpose of this update is to provide clarification on how the ministry interprets certain sections of the Safe Drinking Water Act, 2002 (SDWA) and the Health Protection and Promotion Act and their regulations in order that all licensed laboratories have a common understanding of the requirements, that no laboratory is mistakenly deemed out of compliance, and to ensure safe drinking water in Ontario.	https://www.ontario.ca/page/laboratory-update-bulletin-drinking-water-testing-issue-2
Laboratory Update Bulletin: Drinking Water Testing, Issue 1	No description	https://archive.org/details/8795.ome
Permit to Take Water Technical Bulletin	This bulletin is to assist permit holders in understanding the monitoring and reporting requirements for water takings in the Water Taking Regulation (O. Reg. 387/04).	https://www.ontario.ca/page/report-business-water-use https://www.ontario.ca/page/permits-take-water