Drinking Water Advisory Reporting System

User Manual

This document is intended to be used only as a guide for users of the Drinking Water Advisory Reporting System

Environmental Health Programs Public Health Division Ministry of Health and Long-Term Care May 2011



Disclaimer

Medical officers of health and public health inspectors employed by local boards of health have a regulatory mandate to work with the owners, operators and operating authorities of drinking water systems.

On receipt of information about adverse drinking water quality, the medical officers of health, public health inspectors, and other engaged staff perform a risk analysis to assess the potential health impact the adverse water quality may have on users. Where necessary, the medical officer of health or public health inspector must take appropriate action to protect public health – this may include taking steps that are not discussed in this document. This document is intended to provide guidance for reporting incidents that require advisory notices to be issued to drinking water system users.

The guidance provided in this document is not and should not be taken as a substitute for the professional judgment of medical officers of health, public health inspectors and other subject matter experts. The Ministry of Health and Long-Term Care recognizes that local boards of health will record other information in the course of the performance of their duties – this document is solely intended to set out provincial guidance and recommendations for the recording of core data for issuing and rescinding drinking water advisories.

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Standard Operating Procedures: Drinking Water Advisory Reporting System



Standard Operating Procedures: Drinking Water Advisory Reporting System

1.0 Response to Adverse Drinking Water Quality Incidents Guidance Document

The *Response to Adverse Drinking Water Quality Incidents Guidance Document (2009)* is intended to provide guidance to local boards of health (BOH) when determining requirements for issuing, implementing, communicating and ultimately rescinding an advisory notice in response to an adverse test result or observation.

1.1 Regulatory Oversight

In Ontario, the Ministry of the Environment (MOE) has primary oversight for drinking water quality and testing standards under the *Safe Drinking Water Act, 2002* (SDWA), and several regulations pursuant to this statute.

The Ministry of Health and Long-Term Care (MOHLTC) has regulatory oversight for small drinking water systems under the Health Protection and Promotion Act (HPPA), O. Reg. 318/08 (*Small Drinking Water Systems – Transitional*) and O. Reg. 319/08 (*Small Drinking Water Systems*).

These statutes and regulations set out the requirements and responsibilities of owners, operators and operating authorities of drinking water systems to protect the users from consuming water that is unsafe to drink. Under the HPPA, the MOH and PHI have statutory powers that can be used to protect community health.

Owners, operators and operating authorities of drinking water systems are legally required to notify the local MOH of adverse test results and observations and follow any advice or direction provided by the MOH or the PHI.

Under the Safe Drinking Water Act (SDWA)

O. Reg. 170/03 (*Drinking Water Systems*) regulates drinking water systems that serve designated facilities, municipal and non-municipal year-round residential water systems. O. Reg. 169/03 (*Ontario Drinking Water Quality Standards*) provides testing standards for drinking water quality, which include Microbiological Parameters (Schedule 1), Chemical Parameters (Schedule 2) and Radionuclide Parameters (Schedule 3).

• O. Reg. 170/03

Regulates municipal and non-municipal year-round residential systems and those systems that serve designated facilities

• O. Reg. 169/03

Regulates drinking water quality testing standards

Under the Health Protection and Promotion Act (HPPA)

O. Reg. 318/08 and O. Reg. 319/08 regulate small drinking water systems that serve public facilities other than designated facilities, including municipal and non-municipal seasonal residential water systems.

• O. Reg. 318/08

This transitional Regulation establishes the basic operational requirements until a public health inspector conducts a site-specific risk assessment of the system.

• O. Reg. 319/08

The legal transfer of oversight of a small drinking water system from O. Reg. 318/08 to O. Reg. 319/08 occurs once a directive is issued. Once a directive is issued by the PHI, the Regulation establishes operational requirements such as water testing frequency, treatment requirements, etc.

Under the *Ontario Public Health Standards (2008)*, it is required that local BOH has an MOH or designate available on a 24/7 basis to receive reports and respond to adverse events related to safe drinking water. Board of health staff are to refer to the most current version of the *Response to Adverse Drinking Water Quality Incidents Guidance Document* for information on the appropriate response.

1.2 Categories of Drinking Water Advisory Notices

Under this guidance document there are four general categories of notices in the reporting structure:

1. Boil Water Advisory

An advisory notice that is issued to notify users that boiling is required to render the water safe to use, (e.g., unacceptable microbiological levels of *E. coli* or total coliform).

2. Do Not Drink Advisory

An advisory notice that is issued to users when action(s) other than boiling the water is required to protect users (e.g., exceedences of lead or nitrates). This may require some type of filtration and/or chemical or non-chemical treatment; (i.e., reverse osmosis or ion exchange).

3. Do Not Use Advisory

An advisory notice that is issued to users when boiling or treatment will not render the drinking water supply safer for users; e.g. trichloroethylene. At such time, the operator or operating authority may notify users of alternate source of water or provide an alternate source for users of the affected system.

4. Health Information Advisory (new)

An advisory notice that is issued to inform specific community users of an exceedence (such as fluoride and sodium) and the recommended measures to be taken to reduce exposure and mitigate the risk to human health (i.e., local BOH staff may notify dental or medical offices)

Additional Authority under the HPPA

Irrespective of the action taken from the aforementioned categories, an MOH or PHI has authority to issue a direction or an order under Section 13 of the HPPA, detailing what actions must be taken by the drinking water system operator or operating authority to provide water to users that is safe to drink.

1.3 Drinking Water Advisory Reporting System (DWARS)

The MOHLTC has developed and implemented a web-based data management system for local BOH to report information pertaining to the issuance of drinking water advisory notices or orders and details about corrective actions. Boards of health must report when an advisory notice is issued to users of a drinking water system, and when that advisory notice has been rescinded.

The online reporting system applies to all drinking water advisory notices issued or rescinded for drinking water systems issued by owners, operators and operating authorities or local BOH staff.

The reporting responsibilities also apply to all Section 13 orders under the HPPA issued to owners, operators or operating authorities of drinking water systems with respect to the issuance of advisories to the water users.

Local BOH can access the real-time online reporting system at the following URL: <u>https://dwa.moh.gov.on.ca</u> (production version) and the UAT (sand-box version) can be accessed at: <u>https://dwauat.moh.gov.on.ca</u>

1.4 When to Use the DWARS

Under the *Drinking Water Protocol* (OPHS, 2008), a local BOH is required to report any incident where an advisory notice has been issued to reduce the risk of adverse health outcomes to users of that drinking water system. All advisories must be recorded in the DWARS within two business days to ensure current information is available about all active and rescinded advisory notices.

The *Response to Adverse Drinking Water Quality Incidents Guidance Document (2009)* is intended for use with the DWARS to capture all relevant information when advisory notices are issued to users. It should be noted that local BOH will also maintain other documentation of such incidents and investigations not required in the DWARS.

To ensure consistent data gathering among all local BOH, the following guidelines should be applied to record incidents into the DWARS.

1.4.1 Reporting for Municipal Drinking Water Systems

It is important that accurate, consistent information is available for all drinking water systems governed under O. Reg. 170/03, particularly for municipal residential drinking water systems. Advisory notices may be issued for various reasons and could apply to all users of a system or to a very small portion of a system. The advisory notices reported on DWARS by local BOH staff should represent only significant, community wide incidents that may have public health implications.

Report incidents into the DWARS where:

- There is evidence or probability of contamination of the drinking water system, and
 - o The contaminant could potentially lead to adverse health consequences, and
 - An advisory notice (any of the four) has been issued to the users
- The incident that leads to the advisory notice is likely to last more than 48 hours, <u>and</u> affects more than five households, a designated facility or a public facility;
- Loss of appropriate treatment to the drinking water supply has occurred or is suspected, which may lead to adverse drinking water conditions with potential adverse health consequences;
- System breakdowns, damages, repairs, water main breaks, low pressure incidents that may have an impact on the quality of water of the larger distribution system; or
- Evidence of contamination exists, based on a risk assessment, which presents a risk to human health as determined by the MOH or PHI.

Do not report incidents that are:

- Short-term and are highly probable to be corrected in less than 48 hours;
- Routine precautionary notices for maintenance, scheduled or emergency repairs;
- Incidents suspected to be laboratory or sampling errors, given other favourable available information about the drinking water system;
- Chronic elevated levels of substances that are routinely reported to the local MOH according to schedules under O. Reg. 170/03. (i.e. sodium);
- Isolated to individual plumbing systems (i.e., lead testing results within a school or residential building); or
- Advisory notices issued with no relevance to public health. Example: Notices to the public by municipality of impending work on water mains.

1.5 On-going Notifications

It is recognized that some advisory notices may remain in place for many months or years.

Notices that remain in place for extended periods of time that are intended to protect users from adverse health effects may include:

- Ongoing presence of contaminant in a drinking water supply which requires longer term solutions to achieve remediation (i.e., residential community with high levels of nitrates in source water);
- Poor infrastructure of drinking water system, leading to regular reports of adverse incidents which require longer term solution to remediate (i.e., distribution system that requires frequent repairs or replacement); or
- Notices intended to raise awareness among specific drinking water users (e.g., where there are elevated levels of fluoride or sodium).

Where advisory notices remain active for extended periods of time, the local BOH shall report additional details about these incidents to the MOHLTC when they exist:

- Six consecutive months or longer; and
- 12 consecutive months or longer

Additional information required by the MOHLTC will include:

- Current status of condition resulting in the advisory notice being issued
- Stakeholder and compliance involvement (municipality, MOE, etc.)
- Options for resolution, including a remediation process and timing
- Other information relevant to the resolution of the incident

It is anticipated that the local BOH staff will maintain ongoing communications with the drinking water system owner, operator or operating authority to remain informed about the status of the incident and on going actions for resolution.

Getting Started: Introduction to the Drinking Water Advisory Reporting System



Getting Started: Introduction to the Drinking Water Advisory Reporting System

2.0 How to Use this Document

Before using the DWARS, review this section introducing the DWARS and describing its background and purpose

2.1 Intended Audience

The DWARS is intended for board of health staff and Ministry of Health and Long-Term Care (MOHLTC) users. This guide describes the concepts and procedures for using the DWARS.

<u>Note</u>: The user guide is created in second-person narrative; 'You' refers to the person performing the task. As part of your role, you have been given access to certain menus in the DWARS.

2.2 Document Organisation

The document is divided into the following chapters:

Chapter 1: Standard Operating Procedures:

• Describes the purpose for the DWARS, and provides basic information about the appropriate use of the DWARS.

Chapter 2: Getting Started: Introduction to the DWARS:

• Describes how to use calendars, fields, and icons in the DWARS and introduces you to the basic concepts and functions within the application. To use the DWARS successfully, it is important to be familiar with the terms and concepts described in this chapter.

Chapter 3: Logging into and Navigating the DWARS:

• Describes how to log into the application and the layout of the tool

Chapter 4: Report List, Printing, Deleting and Recovering Records:

• Describes how to access a list of records and how to print, delete and recover those records.

Chapter 5: Creating a Record:

• Describes how to create a record.

Chapter 6: Rescinding a Record:

• Describes how to rescind a record.

Chapter 7: Searching for and Editing Records:

• Describes how to use the search tool to find records and how to edit records.

Chapter 8: Administration Functions:

 Describes how to use the administrative functions are used to provide management oversight for related functions for users who have been provided access to the DWARS. Chapter 9: Producing Reports from Records:

• Describes how to produce canned (predefined criteria) from the records in the DWARS.

Chapter 10: Glossary:

• Describes acronyms and terminology used throughout this manual and the DWARS.

Chapter 11: References:

• Describes the sources (literature, web sites, etc.) used to inform the development of this manual for use with the DWARS.

Chapter 12: Appendices:

• Describes forms, reports and supporting documents available to assist users the DWARS.

2.3 User Guide Typographical Conventions

This document uses the following typographical conventions:

The greater than sign (>) shows menu selection. For example, on the DWARS left menu, click DWAdvisory Tool>Search. The search criteria fields appear.

Buttons and links in the step-by-step instructions appear in bold, such as Previous or Next.

2.4 The Drinking Water Advisory Reporting System Interface

The following is a description of the DWARS interface

Home > Report Pages > 3. Community, Facility or Municipality	INFO			
▼ Home	Community, Facilit	y, or Municipality Information	Les anna an Ann	
▷ Search				
Report List	Notice Number:	09-02156		
New Report	System Name:	Testing System		
 Report Pages 		Name		
1. Event Action	Designated			
2. Drinking Water System	Facilities			
3. Community, Facility or Municipality INFO	Food Premises	Banquet Facility		
4. Reason for Advisory	Campgrounds	Tourist Camp	*	
5. Type of Advisory		Tourist ourip		F 1.1.1
6. Other Corrective Action Taken	Residential			Field
7. Media Release and Method of Notification	Resort	Motel 💙		
	First Nation			
Check box	✓ Other:	nameless joe		
	Date Samples were	taken	Feb 16, 2009	
Menu	Approximate no. of	facilites/homes affected	1000	
	Approximate no. of	users affected	1000	
	Are there existing	notices on this DWS	🗹 Yes	
	If you checked yes	above, provide date when last	Feb 17, 2009	
		notice was issued		
	Has the municipali th	ty been instructed (Date fiel	d (note calen	dar icon)
	Button	Previous Save	Next	

Interface	Description
Field	Input fields used to enter data
Menu	The menu contains items with which you have privileges to work
Check Box	When clicked, adds or removes a check box; sometimes used in conjunction with fields
Date Field	Input fields used to enter dates
Buttons	When selected, causes the application to perform a specific function

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2.5 Calendar Dates and Fields

<	November 2010									
Sun	Mon			Thu	Fri	Sat				
31	1	2	3	4	5	6				
7	8	9	10	11	12	13				
14	15	16	17	18	19	20				
21	22	23	24	25	26	27				
28	29	30	1	2	3	4				
	6	7	8	9	10	11				

You can use the calendar icon it to select the date. When you do, the calendar tool will appear.

The current date is in red. You can select different dates by clicking on them. To change months, use the navigation arrows on either side of the month title.

You can also enter the date manually in the date fields in a Month DD, YYYY format (January 30, 2009) or a Mon DD, YYYY format (Jan 30,

2009).

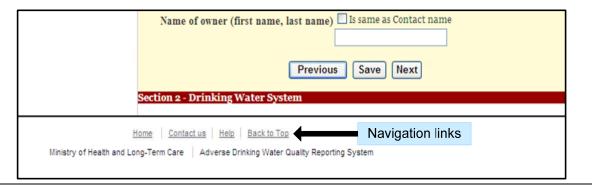
2.6 Tabs

After selecting *DWAdvisory Tool* from the home page, you can use the tabs in the upper left of the application to move between the home page, (*Report*) *List* and the (*Report*) *Search*.

Contario Ministry of Health and Long-Term Care				Drinking Wate	r Advisor	y Repor	0.	ystem er 2.0.000
Home > Report List								
Home	Algoma Pu	blic Heal	th		*			
 Search Canned Reports 	Notice Number	Status	Event Type	System Name	Issue Date	Rescind Date	Print Report	Delet
 Report List New Report 	11-02204	ACT	Boil water	Sample Drinking Water System	11-04-01		Issued	Delete
 Report Sections 1. Event Action 	11-02203 11-02202	ACT ACT	Boil water Boil water	Sample system name New System nsme for demo	11-04-01 11-04-01		Issued Issued	Delete Delete
 2. Drinking Water System 3. Community, Facility or Municipality Information 	11-02201 10-02164	ACT ACT	Boil water Do not drink	TEst System Name	11-04-01 10-11-01		Issued Issued	Delete Delete
 4. Reason for Drinking Water Advisory Notice 5. Corrective Action Taken 	10-02163	ACT	Boil water Boil water	gfhh New System	10-01-01	10-06-01	Issued Issued	Delete Delete
6. Media Release and Method of Notification	10-02159 10-02158	ACT ACT	Boil water Boil water	as rtet	10-01-01 10-05-31	10-06-01	Issued Issued	Delete Delete
	10-02156	ACT 4 5	Boil water 6	5	10-05-19		Issued 1	Delete
	Report sel	ection:						
	OAll		ctive	O Rescinded		O Dele	tod	

2.7 Navigation Links

Use the links at the bottom of each screen of the application to open or go to:



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Home: Return to the application home page Contact Us: Get contact information for the application Help: To open this manual in PDF format (readable by Adobe Acrobat Reader) Back to Top: Brings you to the top of the current screen

2.8 Introduction to the DWARS

The DWARS is a web-based application intended to be used by boards of health to record, track and upload to the MOHLTC drinking water advisory notices issued by operators or operating authorities or by BOH staff to operators or operating authorities.

The categories of advisory notices are:

- Boil Water Advisory
- Do Not Drink Advisory
- Do Not Use Advisory
- Health Information Advisory

The MOHLTC will use the DWARS to track and produce reports on the above advisory notices.

The DWARS is accessible from any computer with an internet connection and has Internet Explorer installed.

Logging into and Navigation of the Drinking Water Advisory Reporting System



Logging into and Navigation of the Drinking Water Advisory Reporting System

3.0 Logging into and Navigation of the Drinking Water Advisory Reporting System

3.1 Logging In

1. Go to <u>https://dwa.moh.gov.on.ca</u> for the production site (PROD or 'live') or <u>https://dwauat.moh.gov.on.ca</u> for the user acceptance testing site (UAT or sandbox).

2 Drinkin	e Wat	er Adviso	ry Reporti	ng Syntee	n Login - Mic	resoft Intern	et Explorer									. 8 X
Ele Edit	ÿen	Fgvorites	Iools b	elp												2
G Back	•	O		itop	Refresh	Home	Search	Favorites	History	Rel .	HP Smart W	an -	A. Sze	Ful Screen	Show or hide	
Ageress 🔊	https:	//dvauat.ma	shigavilani.ca	Login.aspx	ReturnUrl=%2	Default.mpx									💌 🛃 Ga	Links **
			ONE PAGE		1 1											~
														Login		
			Po	ntar	io Ministr and Lot Care	ry of Health ng-Term				¥. 2004	king Water A	dvisory R		System Ver 2.0.000		
								User N	Contract of Contra	յ In						
								Passv	vord:		Log In					
						M		Home Contac d Long-Term Car	tus Hels Bas e Drinking Wate	<u>k te Too</u> r Advisory Rep	orting System					

- 2. Enter your user name in the User Name field.
- 3. Enter your password in the Password field. A password must be at least seven characters long and contain one non-alphanumeric character (e.g., J37&92p).
- 4. Click on the Log In button.

3.2 Logging Out

To log out of the DWARS, click Logout in the top right-hand corner of the page.

Note: The DWARS will automatically log out after a period of inactivity. To access the application, you must log back in.

3.3 Navigating the Drinking Water Advisory Reporting System

The menu of the DWARS changes depending on what functions you are using.

When you first log in, the menu provides choices for:

- Changing your password
- Accessing the DWAdvisory Tool
- Accessing a PDF Version of the DWARS user manual
- Accessing a printable hard copy of the DWARS Issue or Rescind forms
- Accessing provincial and federal drinking water notice supporting documents

Home	
Home	Drinking Water Advisory Reporting System
▼ Login	8 1 87
Create Accounts	
Change Password	
Account List	
 Adverse Results and Observation Management 	
DWAdvisory Tool	
▶ User Guide	
▶ Forms	
 Guidance Documents for Drinking Water Notices 	
Federal Documents	
Provincial Documents	

When you access the DWAdvisory Tool, the menu provides choices for:

- Searching for advisory notice records
- Listing of advisory notice records
- Creating a new record
- Navigating record pages

Home > Report List								
Home	Algoma Pu	blic Heal	th		~			
 Search Canned Reports 	Notice Number	Status	Event Type	System Name	Issue Date	Rescind Date	Print Report	Delet
Report List New Report	11-02204	ACT	Boil water	Sample Drinking Water System	11-04-01		Issued	Delete
▼ Report Sections	11-02203	ACT	Boil water	Sample system name	11-04-01		Issued	Delete
 I. Event Action Z. Drinking Water System 	11-02202	ACT	Boil water	New System name for demo	11-04-01		Issued	Delete
	11-02201	ACT	Boil water	TEst System Name	11-04-01		Issued	Delete
3. Community, Facility or Municipality Information	10-02164	ACT	Do not drink	a	10-11-01		Issued	Delete
4. Reason for Drinking Water Advisory Notice	10-02163	ACT	Boil water	gfnh	10-01-01		Issued	Delete
5. Corrective Action Taken	10-02160	ACT	Boil water	New System	10-01-01	10-06-01	Issued	Delete
6. Media Release and Method of Notification 1 1	10-02159	ACT	Boil water	35	10-01-01	10-06-01	Issued	Delete
	10-02158	ACT	Boil water	rtet	10-05-31	10-06-01	Issued	Delete
	10-02156	ACT	Boil water	5	10-05-19		Issued	Delete
	1 2 3	4 5	6		0.0000000000		1	-10 of 60

You can return to the first menu by clicking on the *HOME PAGE* tab or the Home link in the bottom navigation.

3.4 Changing Your Password

To change your password:

1. Click on *Change Password* in the menu. You will be taken to a screen where you can change your password.

HOME PAGE	Legout Helo
Contario Ministry of Health and Long-Term Care	Drinking Water Advisory Reporting System Vie 20.000
Home > Login > Change Password	
Home * Login P Create Accounts * Change Password * Accounts tast * Adverse Results and Observation Management P OWANSery Tool * Juser Cuide * Forms * Guidance Bocuments for Drinking Water Notices * Provingial Bocuments * Provingial Bocuments	Change Your Password Password: New Password: Confirm New Password: Change Password Cancel
Ministry of Health a	Home <u>Contactus</u> <u>Heik</u> <u>Back to Top</u> and Long-Term Care Drinking Water Advisory Reporting Bystem

Drinking Water Advisory Reporting System - User Manual

- 2. Enter your old password in the Password field.
- 3. Enter your new password in the *New Password* field. Remember that a password must be at least seven characters long and contain one non-alphanumeric character (e.g., J37&92p).
- 4. Enter your password into the *Confirm New Password* field.
- 5. Click on the *Change Password* button.

Report List, Printing, Deleting and Recovering Records



Report List, Printing, Deleting and Recovering Records

4.0 Report List

After logging into the DWARS, select DWAdvisory Tool.

You will be taken to the Report List. The Report List contains entries for all adverse water quality records you have created.

bold	crumb and nenu item s location.			Drinking Wate	r Advisor	y Repor	rting Sy	
Home > Report List								
▼ Home	Algoma Pu	blic Heal	th		~			
 Search Canned Reports 	Notice Number	Status	Event Type	System Name	Issue Date	Rescind Date	Print Report	Delet
Report List New Report	11-02204	ACT	Boil water	Sample Drinking Water System	11-04-01	200300	Issued	Delete
 Report Sections 1. Event Action 	11-02203 11-02202	ACT ACT	Boil water Boil water	Sample system name	11-04-01 11-04-01		Issued Issued	Delete Delete
 2. Drinking Water System 3. Community, Facility or Municipality Information 	11-02201 10-02164	ACT ACT	Boil water Do not drink	TEst System Name	11-04-01 10-11-01		Issued Issued	Delete Delete
 4. Reason for Drinking Water Advisory Notice 5. Corrective Action Taken 6. Media Release and Method of Notification 	10-02163 10-02160 10-02159	ACT ACT ACT	Boil water Boil water Boil water	gfhh New System as	10-01-01 10-01-01 10-01-01	10-06-01	Issued Issued Issued	Delete Delete
	10-02158 10-02156	ACT ACT	Boil water Boil water	rtet s	10-05-31 10-05-19	10-06-01	Issued Issued	Delete Delete
Clicking on these numbers will allow you to view more entries on the list.	1 2 3 Report sel		6 active	○ Rescinded		O Dele		-10 of 6

Table Heading	Description
Notice Number	The number generated by the DWARS and assigned to the record.
Status	Whether the advisory is active or has been rescinded.
Name	The name of the system affected by the advisory notice.
Issue Date	The date the advisory notice was issued.
Rescind Date	The date the advisory notice was rescinded.
Print Report	Clicking on either <i>Issued</i> or <i>Rescinded</i> will allow you to print a hard copy of
	that record.
Delete	This will allow you to delete the record from the Report List.

4.1 Printing Reports

Notice Number	Status	Event Type	System Name
11-02204	ACT	Boil water	Sample Drinking Water System
11-02203	ACT	Boil water	Sample system name
11-02202	ACT	Boil water	New System name for demo
11-02201	ACT	Boil water	TEst System Name
10-02164	ACT	Do not drink	a
10-02163	ACT	Boil water	gfhh
10-02160	ACT	Boil water	New System
10-02159	ACT	Boil water	as
10-02158	ACT	Boil water	rtet
10-02156	ACT	Boil water	s

The Report List can only show 10 records at a time. In the example above, records 1-10 are displayed. To view records 11-20, you would need to click on the 2 in the blue bar at the bottom of the list.

The name of your board of health should be above the list. In the example below, the name of the board of health is Algoma.

Clicking on any of the white column headings, such as *Notice Number, Status, Event Type* or *System Name*, will allow you to sort your records by their classifications under those columns.

4.2 Deleted Report List

Rescind Date	Print Report	Delete
10-06-02	Issued	Delete
10-06-01	Issued	Delete
09-02-02	Issued Rescinded	Delete
10-01-01	Issued	Delete
10-04-20	Issued	Delete
	Issued	Delete
08-06-30	Issued	Delete

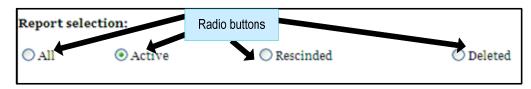
To access a record, click on the notice number (in the example above, the top two notice numbers are 09-02158 and 09-02156).

Under the *Print Report* column, clicking on either Issued or Rescinded will open a version of the record formatted for printing.

Clicking on "Delete" in the *Delete* column will remove the selected record from the *Report List*. An entry for the record will be maintained by the system and will be accessible by using the filters at the bottom of the record list.

By default, when you first view the Report List, the records shown will be active.

Using the radio buttons at the bottom of the Report List, you can view all of the records, the active records, the rescinded records or the deleted records.



You can only select one radio button at time.

4.3 Printing Records

To print a record, select the type of activity for the adverse water incident you want to print (*Issued* or *Rescinded*).

Algoma Pu	ublic Hea	lth		*			
Notice Number	Status	Event Type	System Name	Issue Date	Rescind Date	Print Report	Delete
06-00384	ACT	Do not use	YMCA - John Island Camp	06-05-30	10-06-02	Issued	Delete
06-00383	ACT	Boil water	YMCA - John Island Camp	06-05-30	10-06-01	Issued	Delete
08-02151	RSC	Do not drink	XYZ System	08-10-07	09-02-02	Rescinded	Delete
07-01187	ACT	Do not drink	White River Water Treatment Plant	06-08-23	10-01-01	Issued	Delete
07-01539	ACT	Boil water	Village Inn	07-07-07	10-04-20	Issued	Delete
06-00378	ACT	Boil water	Twilight Resort Lodge	06-07-13		Issued	Delete
07-01906	ACT		Tunnel Lake Trading	07-10-22	08-06-30	Issued	Delete

4.4 Restoring Deleted Records

To restore a deleted record, click on the *Deleted* radio button at the bottom of the Report List. This will provide you with a list of all deleted records. Under the *Delete* column, click on *Undelete*.

Algoma Public Health				*				
Notice Number	Status	Event Type	System Name	Issue Date	Rescind Date	Print Report	Delete	
10-02171	RSC	Do not use		10-06-23	10-06-23	Issued Rescinded	Undelete	
10-02164	ACT	Do not drink	a	10-11-01		Issued	Undelete	
08-02131	ACT	Boil water		08-05-26		Issued	Undelete	
07-01543	ACT	Boil water	Delmar Restaurant & Campground	07-07-07		Issued	Undelete	
06-00583	ACT	Boil water		06-12-12		Issued	Undelete	
06-00199	ACT	Boil water	Huron Pines Golf Club	06-07-28		Issued	Undelete	
06-00135	ACT	Boil water	Blind River Water System	10-09-15		Issued	Undelete	

Creating (Issuing) a Record



Creating (Issuing) a Record

5.0 Creating (Issuing) a Record

To create a record from the home page, click on DWAdvisory Tool>New Report.

The record is broken down into six sections:

- 1. Event Action
- 2. Drinking Water System
- 3. Community, Facility or Municipality Information
- 4. Reason for Drinking Water Advisory Notice
- 5. Corrective Actions Taken
- 6. Media Release and Method of Notification

Your position in the record is reflected in the menu in bold. If you need to go back to a previous step, you can use the buttons at the bottom of the screen or click on the menu item for the section you wish to go back to (or jump forward to).

Before hitting the back button or clicking on any of the menu items, be sure to save your work! If you do not do this, any changes you make will be lost.

5.1 Event Action

After selecting Event Action, the Event Action: Issue (Section 1) screen will appear.

HOME PAGE LIST SEARCH	Welcome, CHABLITT Logout Help
Ontario Ministry of Health and Long-Term Care	Drinking Water Advisory Reporting System Ver 2.0.000
-	Section 1 - Event Action: Issue
 ✓ Home ▷ Search ▷ Canned Reports ▷ Notification Reports ▷ Report List ▷ New Report ▼ Report Sections ▷ 1. Event Action ▷ 2. Orinking Water System ▷ 3. Community, Facility or Municipality Information ▷ 4. Reason For Drinking Water Public Notice ▷ 5. Corrective Action(s) Taken ▷ 6. Media Release and Method of Notification 	Section 1 - Event Action: Issue Date event occurred: Date notice issued to users: Type of notice: <select one=""> • • Notice issued by: <select one=""> • • Local board of health office: Toronto Public Health Insert Cancel</select></select>
	Section 1 - Event Action: Issue

Note the title of the screen in the brown bar across the top of the Event Action fields. In this case, it reads *Event Action: Issue*. This is because you are creating a new record (in response to a notice that has been issued for an adverse event).

Field	Description
Notice Number	This number will be generated by the DWARS and assigned to the record after you have saved the entries on this screen.
System Name	You will have the opportunity to enter the DWS name in the next screen; the name will then appear below the <i>Notice Number</i>
Date event occurred	The date the event you are recording occurred.
Date notice issued to users	The date the notice about this event was issued to the owners or operators of the DWS.
Type of notice	The kind of advisory notice that is being issued.
Notice Issued By	The person who issued this advisory notice; board of health staff (PHI or MOH) or employee of DWS (owner or operator).
Local board of health office	The name of your board of health office; this field will be filled in automatically.

When you have completed the fields, click on the *Insert* button. If you return to this page after clicking on the *Insert* button it will be replaced by a *Save* button. Clicking on the *Cancel* button will cancel the notice.

5.2 Drinking Water System

After clicking on the Insert button, the **Drinking Water System** (Section 2) screen will appear. The name of the screen is included in the red bar at the top of the fields and at the bottom of the fields.

łome	Section 2 - Drinking Water System		
▶ Search			
Canned Reports			
Notification Reports	Notice Number:		
Report List	System Name:	Sample Drinking Water	System
▶ New Report	Population	HPPA - SDWS	× +
 Report Sections 1. Event Action 			
 2. Drinking Water System 		Municipal Drinking Water	System 💌 +
 3. Community, Facility or Municipality Information 	Other Type		
4. Reason For Drinking Water Public Notice	Source of water supply	Groundwater, secure	*
5. Corrective Action(s) Taken	Source of Hauled Water	<select one=""></select>	~
6. Media Release and Method of Notification	Surface water name		
	Drinking Water System Name		
	Maximum Population Served		
	Drinking Water System Number	72000056	×
	Address - number, street name	100 Anywhere St	
	City/Town	Any Town	
	Postal Code	нон оно	
	Operator name (first name, last name)	Any One	
	Telephone number	000-000-0000	
	Alternate telephone number	000-000-0001	
	Cell number	000-000-0002	
	Email address	any.one@anyplace.com	
	GPS North	72.000000	
	GPS West	-77.037692	
	Emergency locator address(fire number)	178009	
	Name of owner (first name, last name)		e
		Other Person	
	Previou	s Save Next	

The *Notice Number* will be auto filled by the system and will not be editable.

The *System Name* at the top of the screen will be blank. When you enter the system name in the *Drinking Water System Name* field on this screen and then save your work, it will be filled in automatically by the system here in the future.

To go back to *Event Action* page, click on the *Previous* button on the bottom of the page.

Field	Description
Regulation	The Regulation the drinking water system (DWS) falls under.
Type of system	What kind of DWS the advisory notice was issued for.
Other type	If the type of DWS is not included in the drop down menu for the above field, the person creating or recording the notice may include it here.
Source of water supply	Where does the water supply to the DWS come from.
Surface water name	If the water supply comes from a surface source, enter the name of the source here (Shaggy Bear Lake, Eels Creek).
GPS coordinates of intake pipe or well	Capture the global positioning DWS (GPS) north and west coordinates for the location of the intake pipe or the well in decimal degrees.
	Enter the north (Latitude) coordinates first followed by the west coordinates; i.e., Latitude = 38.898648 Longitude = -77.037692.
	Note: Enter a minus (-) sign before the longitude or you will get an error message.
Drinking Water System Name	The name of the DWS (Grassy Hill Water System).
Drinking Water System Number	The number assigned to the DWS by DWIS (under O. Reg.170/03) or RCAT (under O. Reg. 318/08 and O. Reg. 319/08).
Address - number, street	The address of the physical location of the DWS. Please enter as number and
name	then street name, such as 33 Halliburton Avenue.
City/Town/Rural Route	The city or town or rural route where the DWS is located.
Postal Code	The postal code of the DWS. Must be entered with no spaces.
Emergency locator address (fire number)	If the water supply is located in an area without a specific postal address, you may enter the emergency locator number (fire number) here
Name of owner (first name, last name)	The name of the owner of the water supply
Telephone number	The telephone number (and extension if applicable) of the owner for the DWS. Please enter as a 10 digit number: 123-456-7890.
Cell number	The mobile telephone number of the owner for the DWS. Please enter as a 10 digit number: 123-456-7890.
Contact name – Operator or responsible person (first	The name of the primary contact for the water DWS. Please enter as first name, last name – Bev, Smith.
name, last name)	If this is the same as the owner entered above, please select the check box next
same as owner	to "same as owner."
Telephone number	The telephone number of the primary contact for the water DWS. Please enter as a 10 digit number: 123-456-7890.
Alternate telephone number	An alternate telephone number of the primary contact for the water DWS. Please enter as a 10 digit number: 123-456-7890.
Fax number	The facsimile number of the primary contact for the water DWS. Please enter as a 10 digit number: 123-456-7890.
Cell number	The cell number of the primary contact for the water DWS. Please enter as a 10 digit number: 123-456-7890.
Email address	The e-mail address of the primary contact for the water DWS.

5.3 Community, Facility, or Municipality Information

After clicking on the *Next* button, the Community, Facility or Municipality Information (Section 3) screen will appear.

Home	Section 3 - Commun	nity, Facility Or Municipa	lity Information	
▶ Search				
Canned Reports	Notice Number:	11-02199		
Notification Reports	System Name:	Bluffers Diving Camp		
Report List				
New Report	Institutional	*		
 Report Sections 	Food			
1. Event Action	Establishment			
2. Drinking Water System	Campgrounds	Other (specify)		
3. Community, Facility or Municipality Information	on	Anything anyway		
4. Reason For Drinking Water Public Notice	_	Anything anyway		
5. Corrective Action(s) Taken	Residential			
♦ 6. Media Release and Method of Notification	Lodging			
	First Nation			
	Other:			
	Annrovimate no. o	f facilites/homes affected	68	
	Approximate no. o	f users affected	120	*
	Are there existing	notices on this DWS?	⊙Yes ○No	
	If you checked yes	above, provide date when	2011-03-01	
		last notice was issued		
	State reason for p	evious notice and any	Anyone cares	
		actions taken:		
		Previous	Save Next	

The name of the screen is included in the brown bar at the top of the fields and at the bottom of the fields.

Notice Number: System Name:	11-02206 Mephistopheles Spa
☐ Institutional ☐ Food Establishment	*
Campgrounds	Tourist Camp 🛛 🔽
Residential Lodging First Nation	<select one=""> Recreational Camp Tourist Camp Trailer Park Youth Camp Other (specify)</select>

The *Notice Number* and *System Name* will be auto filled by the system and will not be editable on this page. Remember that while the *Notice Number* is not editable, you can edit the *System Name* on the previous screen – Section 2: Drinking Water System.

After selecting some of the check boxes on this page, the screen will refresh and you will be able to select items from a corresponding drop-down list

Field	Description
Institutional	Select this if there is a designated facility on the DWS. Once you have selected the check box, you will be able to choose the type of designated facility associated from a drop-down list.
Food Establishment	Select this if there is food establishment on the DWS. Once you have selected the check box, you will be able to choose the type of food premise associated from a drop-down list.
Campgrounds	Select this if there is a campground on the DWS. Once you have selected the check box, you will be able to choose the type of campground associated from a drop-down list.
Residential	Select this if there are residences on the DWS. Once you have selected the check box, you will be able to choose the type of residence associated from a drop-down list.
Lodgings	Select this if there is lodging on the DWS. Once you have selected the check box, you will be able to choose the type of resort associated from a drop-down list.
First Nation	Select this if there are First Nation communities using the DWS.
Other	If any of the drop-down items in the above list do not contain the entry you need, it may be entered here.
Dates Sample Was Taken	The date the water sample was taken.
Approximate number of	The number of facilities or homes that have been affected by this advisory notice.

Field	Description
facilities or homes affected	MOHLTC would like to know if there are more than 50 homes affected.
Approximate number of users affected	Approximate number of users that are affected by this advisory notice. MOHLTC would like to know if there are more than 100 residents affected.
Are there existing notices on this DWS?	If notices already exist for this drinking water system, check the Yes box.
If yes, provide date when last notice was issued (yyyy/mm/dd)	If you checked Yes on the last field, enter the issue date of the last notice.
State reason for previous notice and any actions taken (or enter Notice # if known)	Give explanation that describes the details of the adverse event

When you have completed this screen, click on the *Next* button.

5.4 Reason for Drinking Water Advisory Notice

After clicking on the *Next* button, the Reason for Drinking Water Advisory Notice (Section 4) screen will appear. You can edit the system name on Section 2: Drinking Water System page.

The title of the page is in the brown bar at the top and bottom of the page.

Home > Report Sections > 4. Reason For Drinking Water Publi	
Home	Section 4 - Reason For Drinking Water Public Notice
Search	and the second second
Canned Reports	Notice Number: 11-02199
Notification Reports Report List	System Name: Bluffers Diving Camp
New Report	Dicrobiological *
Report Sections	
 1. Event Action 2. Drinking Water System 	Mechanical or physical
	Chemical Petroleum
D 3. Community, Facility or Municipality Information	
4. Reason For Drinking Water Public Notice	[v] Radiological Other(specify) ₩
5. Corrective Action(s) Taken 5. Media Release and Method of Notification	Other
	Water-related incident or outbreak Incident Outbreak Two or more people affected If this is an outbreak, what is the IPHIS case number: Comments: Spill into cistern from over-turned petrol truck Laboratory Sample test results Uaboratory Sample test results Was the system sampled? O'Yes © No Date samples were taken Results(e.g.CFU or mg/L) Results(e.g.CFU or mg/L)
	Previous Save Next

Field	Description
Microbiological	Select this if there are microbiological reasons for the advisory or order. Once you have selected the check box, you will be able to choose the type of microbiological reason from a drop-down list.
Mechanical or physical	Select this if there are mechanical or physical reasons for the advisory or order. Once you have selected the check box, you will be able to choose the type of mechanical or physical reason from a drop down list.
Other Test	If the test preformed was not a microbiological test or mechanical or physical test, enter the test name.
Test Results	If the test preformed was not a microbiological test or mechanical or physical test, enter the test results here.
Chemical	Select this if there are chemical reasons for the advisory or order. Once you have selected the check box, you will be able to choose the type of radiological reason from a drop down list.
Radiological	Select this if there are radiological reasons for the advisory or order. Once you have selected the check box, you will be able to choose the type of radiological reason from a drop down list.
Other Test	If the test preformed was not a chemical or radiological test, enter the test name.
Water-related Incident or Outbreak	If there are any water-related outbreaks or incidents that are connected with this advisory or order, select this check box.
Are 2 or more cases associated with this notice	Click this box if there are two or more cases associated with this notice.
If above yes is checked, what is the iPHIS outbreak number:	If there is an iPHIS outbreak number associated with the order or advisory and it meets the criteria above, enter it here.
Laboratory sample test results	If the advisory notice is being issued as a result of an adverse test result, this is where you will enter the information
Was the system sampled?	Select "Yes" or "No" based on what action led to this advisory notice being issued
Date samples were taken (yyyy/mm/dd)	If the DWS was sampled, enter the dates here, and the corresponding sample test results

When you have completed this screen, click on the *Next* button, the information will be saved and the DWARS will move to the next screen.

5.5 Corrective Action(s) Taken

The Corrective Action Taken (Section 5) screen will appear. The title of the page is in the brown bar at the top and bottom of the screen. You can edit the system name in Section 2: Drinking Water System page.

ome > Report Sections > 5. Corrective Action(s) Taken			
Home	Section 5 - Corrective Action(s) Taken		
▶ Search			
Canned Reports	Notice Number: 11-02199		
Notification Reports	System Name: Bluffers Diving Camp		
▶ Report List ▶ New Report	Select all that apply		
▶ 1. Event Action	✓ Notify users of proposed corrective measures		
▶ 2. Drinking Water System	✓ Provide additional FAC readings		
 3. Community, Facility or Municipality Information 4. Reason For Drinking Water Public Notice 5. Corrective Action(s) Taken 6. Media Release and Method of Notification 	Provide bactericidal treatment		
	Raise chlorine level and flush		
	Resample in addition to regulated samples		
	Repair or replace failing equipment		
	Shock chlorinate and flush		
	Municipal or regional emergency response plan activated		
	No data available		
	Other (specify):		
	Previous Save Next		

Field	Description
Operator response okay (action taken meets	The response the operator has taken means no additional
regulation, no additional requirements given)	corrective action needs to be considered.
Notify users of proposed corrective measures	Select this if users of the system are notified of what corrective
	measure will be taken to resolve the incident.
Provide additional FAC readings	Select this if additional free available chlorine readings are required using <i>Diethyl-p-phenylendiamine (DPD)</i> test kit.
Provide bactericidal treatment	Select this if bactericidal treatment is to be used.
Raise chlorine level and flush	Select this if the chlorinate level is to be raised and the system
	flushed.
Resample in addition to regulated samples	Select this if the operator must resample in addition to the already
	mandated samples are required.
Repair or replace failing equipment	Select this if repairing or replacing failing equipment is required.
Shock chlorinate and flush	Select this if the system needs to be 'shock chlorinated' and flushed
	before it ready to resume service.
Municipal or regional emergency response	Select if the local or regional municipality has activated the
plan activated	municipal plan as a result of an adverse test result or observation.
No data available	No information is yet available about this event.
Other (specify)	If the corrective action taken is not included, please enter it under
	the Other selection. Be sure to select the check box beside Other.

Hit the *Next* button to move to the next page.

5.6 Media Release and Method of Notification

The Media Release and Method of Notification (Section 6) screen will appear.

Section 6 - Media Release And Method Of Notification			
Notice Number:	11-02206		
System Name:	Mephistopheles Spa		
User Notification:			
Media release issued <select of<="" td=""><td colspan="3">Media release issued <select one=""></select></td></select>	Media release issued <select one=""></select>		
Method of public notification - select all that apply			
Direct Mail			
Door to door			
Door hangers			
Electronic Mail			
Newspaper			
Postings			
Telephone Automatic Dialin	g		
Telephone Reverse 911			
Television			
Radio			
Other:			
Notification of Official Agenci	ies:		
Date MOHLTC notified:	2000-02-15		
Date MOE District Office			
notified:	2000-02-15		
Date Health Canada - FNIHB notified:			
Other Agencies:	<select one=""></select>		
Date Other Agencies Notified:			
Health Unit Contact first name		1	
The second s			
Health Unit Contact last name:			
Health Unit Contact Telephone number:			
Health Unit Contact Cell number:			
Previous			
		<u>.</u>	
Section 6 Madia Palazza And	Mathew of Mathematica		

You can edit the system name on the Drinking Water system page. The title of the page is in the brown bar at the top and bottom of the screen.

The Media Release and Method of Notification page is used to record how and when notification to the public and/or other public health bodies or stakeholders took place.

Field	Description
Media release issued	Use this drop down to indicate whether a media release related to the adverse notice has been issued. Future versions of this application will allow the media release to be uploaded and attached directly to the report.
Direct Mail	Select this check box if a notice was sent out by direct mail.
Door to door	Select this check box if people were notified by door-to-door action.
Door hangers	Select this check box if the notice was distributed via door hangers.
Electronic Mail	Select this check box if the notice was distributed via e-mail.
Newspaper	Select this check box if the notice was published in a newspaper.
Postings	Select this check box if a sign was posted at the tap where the users get their water or in a location where users can see that the water from the DWS is not safe to drink.
Telephone Automatic Dialling	Select this check box if people were notified via an automated telephone dialling application.
Telephone Reverse 911	Select this check box if telephone reverse 911 was used to distribute information about the notice.
Television	Select this check box if the notice was publicized through a television news story.
Radio	Select this check box if the notice was publicized through a radio news story.
Other	Select this check box if the notice was publicised through a method not covered in the above check boxes. Be sure to fill out the text field describing the distribution method.
Notification of Official Agencies	Use these fields to enter the date other government bodies were notified of the issuance of the advisory notice and the rescission date.
Date MOHLTC notified	The date you enter this report is when the MOHLTC will receive notification. The field will auto-populate.
Date MOE District Office notified	Use the calendar fields to enter the date the Ministry of the Environment district office was notified of the issue of the advisory and date the advisory was rescinded.
Date Health Canada – FNIHB notified	Use the calendar fields to enter the date Health Canada's First Nations and Inuit Health Branch was notified of the issue of the advisory notice and date the advisory notice was rescinded.
Other Agencies	If there are other agencies that should be made aware of this advisory notice, select from the drop down list
Date Other Agencies notified	Enter the date the other agencies were notified
Board of health contact first name	Enter the first name of the primary board of health contact.
Board of health contact last name	Enter the last name of the primary board of health contact.
Board of health contact telephone number	Enter the phone number of the primary board of health contact.
Board of health contact cell number	Enter the cell phone number of the primary board of health contact.

Rescinding Records



Rescinding Records

6.0 Rescinding Records

6.1 Mark a Record Rescinded

To rescind a record, go to the Report List and click on the Notice Number of the record you want to rescind. This will bring you to the Event Action: Issue screen. Once there, click on the *Rescind* button. You should now be in the Event Action: Rescind screen.

Home	Section 1 - Event Action: Issue
Search Search	Notice Number: 11-02206 System Name: Mephistopheles Spa Date event occurred: 2000-01-01 III - Date notice issued to users: 2000-02-15 III - Type of notice: Do not dink V - Notice issued by: MOH of PHI V -
6. Media Release and Method of Notification	Local board of health office: Toronto Public Health Rescind Save Next Section 1 - Event Action: Issue

Note that the record will be not actually be rescinded until you click on the Save or Rescinded buttons at the bottom of the page. The page will refresh and you will be able to fill in the fields regarding the rescission of the record.

System Name	: Mephistophele	s Spa	
Date event occurred:	2000-01-01	*	
Date notice issued to users:	2000-02-15	*	
Type of notice:	Do not drink	*	
Notice issued by:	MOH or PHI	*	
Local board of health office:	Toronto Public	Health	
Date rescinded:		•	

Note that the title of the page has changed to Event Action: Rescind. The title of the page is in the brown bar at the top and bottom of the screen.

The uppermost section of the screen (below the System Name) is partially filled in with some information from the Event Action: Issue screen. These are mandatory fields which you cannot edit.

Basically, the Event Action: Rescind screen is divided into three sections. The uppermost section provides important information from the Event Action: Issue page about the advisory notice. The middle section of the screen provides information about the re-sampling history of the DWS. The bottom section of the screen provides information about any "*Other Corrective Actions Taken*" by the operator or that were given by the PHI to the operator.

ome	Section 1 - Event Action: Rescind		
Search			
Canned Reports	Notice Number: 11-02206		
 Notification Reports Report List 	System Name: Mephistopheles Spa		
> New Report			
Report Sections	Date event occurred: 2000-01-01		
1. Event Action			
2. Drinking Water System 2. Community, Earling or Municipality Information	Date notice issued to users: 2000-02-15		
 S. Community, Facility or Municipality Information A. Reason For Drinking Water Public Notice S. Corrective Action(s) Taken 6. Media Release and Method of Notification 			
	Type of notice: Do not drink		
	Notice issued by: MOH or PHI		
	Local board of health office: Toronto Public Health		
	Date rescinded:		
	Was the system re-sampled? O Yes \odot No		
	Date Resampled:		
	E. coli:		
	T. coliform:		
	Other Test Name: Other Test Result:		
	E. coli:		
	T. coliform:		
	Other Test Name: Other Test Result:		
	Date Resampled:		
	E. coli:		
	T. coliform:		
	Other Test Name: Other Test Result:		
	Other Corrective Action Taken:		
	Select all that apply		
	Operator response acceptable (action taken meets regulation, no additional requirements given)		
	Notify users of proposed corrective measures		
	Provide additional FAC readings		
	Provide bactericidal treatment		
	Raise chlorine level and flush		
	Resample in addition to regulated samples		
	Repair or replace failing equipment		
	Shock chlorinate and flush		
	Municipal or regional emergency response plan activated		
	No data available		
	Other (specify):		
	Contact Name:		
	Contact Phone #:		
	Contact 1 none n.		
	Save Next		
	Save Next Cancel Rescind		

Field	Description	
Date notice was rescinded	The date the notice was removed from the system. This date should be when the operator met the corrective action outlined in Regulations or additional steps issued by the PHI or MOH.	
Date user notified notice was rescinded	The date the users were notified of the rescission that the water was now safe to drink.	
Local board of health office	The name of your public health unit. This field should be filled in automatically.	
Date reported to local board of health office	The date the operator reported to the PHI that the advisory notice had been rescinded.	
Laboratory test results	This is where you would enter results of any samples that were required to determine if the system was safe to return to providing water to users.	
Was the system re-sampled?	Use these radio buttons to indicate whether the system was re- sampled. Note that you can enter up to three different sample dates and results associated with those sample dates.	
Date re-sampled	The date the DWS was re-sampled.	
Results (for the samples tested)	Use this field to enter test results.	
Additional instructions given to operator	Use the check box to indicate whether there were additional steps given by the PHI or MOH to correct the system.	
Operator response okay (action taken meets regulation, no additional requirements given)	The response the operator has taken means no additional corrective action needs to be considered.	
Notify users of proposed corrective measures	Select this if users of the system are notified of what corrective measure will be taken to resolve the incident.	
Provide additional FAC readings	Select this if additional free available chlorine readings from distilled de-ionized water are to be used.	
Provide bactericidal treatment	Select this if bactericidal treatment is to be used.	
Raise chlorine level and flush	Select this if the chlorinate level is to be raised and the system flushed.	
Resample in addition to regulated samples	Select this if the operator must resample in addition to the already mandated samples are required.	
Repair or replace failing equipment	Select this if repairing or replacing failing equipment is required.	
Shock chlorinate and flush	Select this if the system needs to be 'shock chlorinated' and flushed before it ready to resume service	
Municipal or regional emergency response plan activated	Select if the local or regional municipality has activated the municipal plan as a result of an adverse test result or observation	
Other (specify)	If the corrective action taken is not included, please enter it under the Other selection. Be sure to select the check box beside Other.	
No data available	No information is currently available about the operator's actions.	
Notification of Official Agencies	Use these fields to enter the date other government bodies was notified of the issuance of the advisory notice and the rescission date.	

Field	Description
Date MOE District Office notified	Use the calendar fields to enter the date the Ministry of the Environment district office was notified of the issue of the advisory and date the advisory was rescinded.
Date Health Canada – FNIHB notified	Use the calendar fields to enter the date Health Canada's First Nations and Inuit Health Branch was notified of the issue of the advisory notice and date the advisory notice was rescinded.
Other Agencies	If there are other agencies that should be made aware of this advisory notice, select from the drop down list
Date Notified	Enter the date the other agencies were notified
Contact first name	Enter the first name of the primary board of health staff.
Contact last name	Enter the last name of the primary board of health staff contact.
Telephone number	Enter the phone number of the primary board of health staff contact.
Cell number	Enter the cell number of the primary board of health staff contact.

Searching for and Editing Records



Searching for and Editing Records

7.0 Searching for and Editing Records

7.1 Searching for Records

Log into the DWARS.

You can click on the Search tab. You can also select DWAdvisory Tool>Search.

You will be brought to the Search screen. Here, you can provide as many search criteria as you like.

Home > Search							
 Home 	Search:						
▷ Search							
▷ Canned Reports				nit: Toronto Public H	ealth M		
Notification Reports				us: ACT 🔽			
Report List.				pe: Do not drink	~		
▶ New Report							
 Report Sections 	System Name:						
1. Event Action	Issue Date From: 2000-01-01						
2. Drinking Water System							
3. Community, Facility or Municipality Information			Issue Date	To: 2011-03-31			
4. Reason For Drinking Water Public Notice							
 5. Corrective Action(s) Taken 6. Media Release and Method of Notification 							
V 6. Media Release and Method of Notification			Rescind Date Fro	om:			
			Rescind Date	To:			
			Ross	on: < <all>></all>	¥		
				and the second se	1212		
			Delet	ed: Active			
				Search			
			Result L	ist:			
	Notice Number	Statu	s HU Event	System	Issue Rescind	View	Delete
		1.077	туре	Name	Date Date		D.I.
	08-02135	ACT	TorontoDo not drink Public	Water system	08-04-04 08-06-13	View	Delete
			Health	water system			
	08-02136	ACT	TorontoDo not drink	Joe's Waterworks	08-06-06	View	Delete
			Public				
	08-02147	ACT	Health TorontoDo not drink	metro toronto	08-06-02	View	Delete
	00 0214/	1101	Public	motro toronto	00 00 02	11011	Derete
			Health				
	08-02148	ACT	TorontoDo not drink	Metro Toronto	08-06-02	View	Delete
			Public Health				
						View	Delete
	10-02166	ACT	TorontoDo not drink	Majore Cantina	10-04-04 10-06-01		
	10-02166	ACT	TorontoDo not drink Public	Majore Cantina	10-04-04 10-06-01	1101	
			TorontoDo not drink Public Health				Delet
			TorontoDo not drink Public Health TorontoDo not drink		10-04-04 10-06-01 11-02-09		Delete
			TorontoDo not drink Public Health				Delete
	11-02181	ACT	TorontoDo not drink Public Health TorontoDo not drink Public Health TorontoDo not drink			View	Delete Delete
	11-02181	ACT	TorontoDo not drink Public Health TorontoDo not drink Public Health TorontoDo not drink Public		11-02-09	View	
	11-02181 11-02187	ACT ACT	TorontoDo not drink Public Health TorontoDo not drink Public Health TorontoDo not drink Public Health	sdsd	11-02-09 11-02-01	View View	Delete
	11-02181	ACT ACT	TorontoDo not drink Public Health TorontoDo not drink Public Health TorontoDo not drink Public Health TorontoDo not drink	sdsd	11-02-09	View View	
	11-02181 11-02187	ACT ACT	TorontoDo not drink Public Health TorontoDo not drink Public Health TorontoDo not drink Public Health	sdsd	11-02-09 11-02-01	View View	Delete

Field	Description	
Board of health	Select the name of your board of health if it was not automatically chosen. You will only be	
	able to search every record for your board of health.	
Status	Choose whether the record is issued or rescinded.	
Event Type	Choose what kind of event it is you are looking for:	
	Boil water	
	Do not drink	
	Do not use	
	Health information	
System Name	The name of the system – you can enter only a part of the name of the system if desired. For example, entering in <i>Ontario</i> will return results of <i>Ontario</i> town, <i>Ontario</i> ville or <i>Ontario</i> place. Similarly, you can enter <i>ville</i> to obtain Ontario <i>ville</i> .	
	Entering the full name of the system you are searching for will cut down the number of results that are returned.	
	This field is not case sensitive, so you do not need to match capitalization in the name of the system you are searching for.	
Issue Date From	Use this field, in conjunction with the next field, to create a range of dates from which the tool will return issued record results for.	
Issue Date To	Use this field, in conjunction with the previous field, to create a range of dates from which the tool will return issued record results for.	
Rescind Date From	Use this field, in conjunction with the next field, to create a range of dates from which the tool will return rescinded record results for.	
Rescind Date To	Use this field, in conjunction with the previous field, to create a range of dates from which	
	the tool will return rescinded record results for.	
Reason	Select the reason why the advisory or order was issued.	
Deleted	Select to search from Active or Deleted or both kinds of records.	

Search results will be returned at the bottom of the form. This list will behave roughly the same way as the Report List described in Chapter 3.

		Result 1	Search List:					
Notice Number	Status	HU	Event Type	System Name	Issue Date	Rescind Date	View	Delete
07-01125	ACT	Algoma Public Health	Do not use	Town of Spanish water system	07-05-11	10-06-01	View	Delete
07-01190	ACT	Algoma Public Health	Boil water	Northgate Restaurant	06-10-30	10-06-01	View	Delete
07-01192	ACT	AlgomaHe Public Health	ealth information	Searchmont Community Centre	10-04-27	10-06-01	View	Delete
07-01539	ACT	Algoma Public Health	Boil water	Village Inn	07-07-07	10-04-20	View	Delete

You can view the record by clicking on the Notice Number.

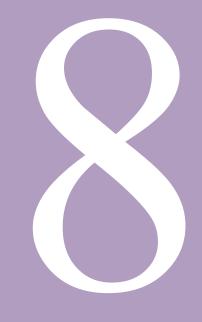
7.2 Editing Records

To edit a record, open the record, either by performing a search (see section 7.1) or by selecting the record from the Report List.

Once you have opened the record, you can then begin editing the information. You can navigate through the record by clicking on the *Next* or *Previous* buttons at the bottom of the pages or by using the left navigation menu and jumping to the section you wish to make changes in.

Be sure to save your changes by clicking on the *Next* or *Save* buttons at the bottom of each screen.

Administration Functions



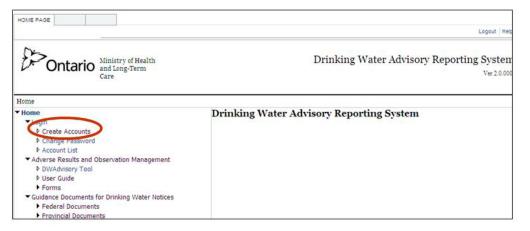
Administration Functions

8.0 Administrator Functions

Administrators can use the DWARS to perform all the same functions as a normal user and have access to additional administrative tools.

8.1 Creating Accounts

To create an account, log into the DWARS and select Create Accounts from the left menu.



Fill out the Create Account form.

	Logout
Ontario Ministry of Health and Long-Term Care	Drinking Water Advisory Reporting Syste Ver20
Home > Login > Create Accounts	
Home Login P Create Accounts Change Password Account List Adverse Results and Observation Management DWAdvisory Tool User Guide Forms Guidance Documents for Drinking Water Notices Federal Documents	Sign Up for Your New Account Choose your role Complete Password: Confirm Password: E-mail: Security Question: Security Answer: Create User Cancel

Field	Description
User Name	Create the user name of the user and enter it here. The preferred format is last name plus initial of first name; e.g., John Public's username would be publicj.
Password	Create the password of the user and enter it here. A password must be at least seven characters long and contain one non-alphanumeric character (e.g., @ or &).
Confirm Password	Re-enter the password of the user here (this is to ensure that the password is entered into the system without typing errors).
E-mail	Enter the e-mail address of the user here. Be sure to enter this correctly as it will be used by the system to send the user's password to them should they forget it.
Security Question	Enter the user's security question here. This question will be used by the system to verify the user's identity in case he or she forgets his or her password. A question might be "What was the name of your first childhood pet?" In order to retrieve the forgotten password, the user must use the answer to the question provided when the account was created.
Security Answer	This is the answer to the question above. Be sure to enter this exactly as the user has provided.

When you have finished filling out the form, click on the Create User button. You will then be brought to a screen where you can choose a role.



You would either create an administrator role (a person who would be at the Ministry of Health and Long-Term Care) or a user role at a particular board of health office. After making the selection, click on the Finish button.

8.2 Account List

To review existing accounts, from the home page, click on the *Account List*. This will provide you with a list of all accounts in the DWARS.

You can sort the columns by clicking on the *User, Role, Locked, Email* and *Last Login* headings. To view the *Account Details*, click on the *Select* link in the appropriate row.

Each screen will only display 10 accounts at a time. So in the example above, only accounts 1-10 are shown. To see accounts 11-20, you would need to click on one of the numbers in the list at the bottom of the screen (in the example above, there are 8 screens of accounts).

8.3 Account Details

To view the details for a user's account, click on *Select* beside the user's name in the Account List.

The account details will be returned below the Account List.

User Name:	publicj	
Role Name:	Toronto Public Health	*
Email: johr	@public.ca	
Is Locked O	at: 🔲	
Password Q	uestion: Favourite dessert	
Password A	nswer: dacquoise	
Current Pas	ssword: dwa!@#\$%	
New Passwo	ord:	
Confirm Pa	ssword:	

8.4 Locking and Unlocking an Account

To lock or unlock an account, access the account details. Click on the check box for Is Locked Out.

A check mark \square in the box means the account is locked out and the account user cannot access the tool. No check mark \square in the box means that the tool is available to the account user.

A check box in the Locked column indicates that user's account has been locked and they are unable to access to tool.

User	Role	Locked	Email	Last Login
Selecttoronto	Toronto Public Health		Harold.Joseph@ontario.ca	Apr 14, 2011
Selectpublicj	Toronto Public Health	3	john@public.ca	Apr 27, 2011
Selectjosephh	Toronto Public Health		asd@abc.com	May 19, 2010
Selectchablitt	Toronto Public Health	\smile	chablitt@email.ca	Apr 27, 2011
SelectHarold	Toronto Public Health		harold@dwa.com	Apr 21, 2011
SelectWDGHU	Wellington-Dufferin-Guelph		rob.thompson@wdghu.org	Jun 12, 2006
SelectuWellington	Wellington-Dufferin-Guelph		Scott.Hutchison@wdghu.or	gApr 26, 2011
Selectwiederc	York Region Health Services Department		christina.wieder@york.ca	Jun 12, 2006
Selecthesterb	York Region Health Services Department		becky.hester@york.ca	Jun 12, 2006
Selectsinghs	York Region Health Services Department		sonia.singh@york.ca	Jun 12, 2006
12345678				

Field	Description
User Name	The user name for the account.
Role Name	The role for the account - either an administrator (Ministry of Health and Long-Term Care staff member) or a board of health staff.
Email	The e-mail address of the user of the account.
Is Locked Out	A check in this box indicates that the account is locked and the account user cannot access the system.
Password Question	This question will be used by the system to verify users' identity in case they forget their password. A question might be "What was the name of your first childhood pet?" In order to retrieve the forgotten password, the user must use the answer to the question provided when his or her account was created.
Password Answer	This is the answer to the question above. Be sure to enter this exactly as the user has provided.
Current Password	The current password for the account.
New Password	Enter what the end user would like the new password for the account here.
Confirm Password	Confirm the new password by entering it here.

8.5 Updating Account Details

In the Account Details, you can modify some of the information that was used to create the account, including modifying the:

- User Name
- Role (Name)
- Email (Address)
- Password Question
- Password Answer
- Password

You can do this by typing in answers in the text fields and then clicking on the Update link at the bottom of the screen.

If you are changing the *Password*, be sure to leave the *Current Password* field as is and type the new password into the *New Password* field, then confirm it by typing it in the *Confirm Password* field.

User Name:	test	
Role Name:	Algoma	~
Email: test(@ava.ca	
Is Locked Ou	t: 🗹	
Password Qu	estion: mother's name	
Password An	iswer: abc	
Current Pas	sword: test@#\$	
New Passwo	rd:	
Confirm Pas	sword:	
Update Delet		
opuare bere	Le	

8.6 Deleting an Account

If you wish to delete an account, click on the Delete link at the bottom of the account details.

User Name:	publicj	
Role Name:	Toronto Public Health	~
Email: john	@public.ca	
Is Locked Ou	it: 🗹	
Password Qu	lestion: Favourite dessert	
Password An	nswer: Dacquoise	
Current Pas	sword: dwa!@#\$%	
New Passwo	rd:	
Confirm Pas	sword:	
Update Delet	te	

Producing Reports



Producing Reports

9.0 Producing Reports from Records

Users can use the DWARS to produce reports from the data in the DWARS as a normal user and have access to additional administrative tools.

9.1 How to Produce Reports

To produce a report, log into the DWARS and select *Canned Reports* from the left menu.

You will be brought to the Canned Report screen. Enter the date range that you would like to produce reports for. Click on the name of the report that you want to produce from among the list of ten report names to the right of *List of Canned Reports*.

Home > Canned Reports	
▼ Home	Canned Reports
▶ Search	
▷ Canned Reports	Transfer Dublis Hawkin
Report List	Health Unit: Toronto Public Health
▶ New Report	Issue Date From: January 1, 2000
 Report Sections 	Issue Date From. Jondary 1, 2000
1. Event Action	
2. Drinking Water System	Issue Date to: December 31, 2010
3. Community, Facility or Municipality Information	
4. Reason for Drinking Water Advisory Notice	List of Canned Reports:
5. Corrective Action Taken	1. Active Notices Sorted by Type of Event and
6. Media Release and Method of Notification	Regulation
	2. Notices Sorted by Type of DWS and Regulation
	3. Active Notices Sorted by Boards of Health 4. Total Notices Issued by Boards of Health
	5. Total Notices Sorted by Boards of Hearth
	Calendar Year
	6. Total Notices Sorted by Reason and Type of
	DWS
	7. Notices Sorted by Regulation and Type of
	Facility
	8. Notices sorted by Types of DWS and Type of Facility
	o. Active Notices across Boards of Health
	(Weekly)
	10.Active Notices across Boards of Health
	(Quarterly)
	Canned Reports

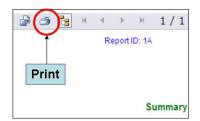
Field	Description
Health Unit	The name of your health unit should be automatically selected; if not, select the name from the drop-down menu to the right. Note that you can only produce reports from the records related to your health unit.
Issue Date From	Use this field, in conjunction with the next field, to create a range of dates from which the tool will return issued record results for.
Issue Date To	Use this field, in conjunction with the previous field, to create a range of dates from which the tool will return issued record results for.
List of Canned Reports	This is a list of 10 pre-defined reports that the DWARS will produce. There is an option to export the data collected from the advisory notices and create other types of reports as identified by local board of health staff.

Report ID: 1A					Date: 2011-05-05 10:03:
	Drinking Wate	er Advisory Rep	porting System		
Summary	total of all active no	tices sorted by drin	nking water system	type(prov	rincial)
-			1/2000		
			2/31/2010		
		Health Unit : Al	goma Public Health		
Regulation	Municipal Drinking Water	Type of drinking wate Non-Municipal Drinking Water	r system Other (specify)	Total]
Regulation HPPA - Other (e.g., Reg. 562)	Municipal Drinking Water 4	Non-Municipal		Total 11	
	Drinking Water	Non-Municipal Drinking Water	Other (specify)		-
HPPA - Other (e.g., Reg. 562)	Drinking Water 4	Non-Municipal Drinking Water 4	Other (specify)	11	-
HPPA - Other (e.g., Reg. 562) O. Reg. 170/03 O. Reg. 318/08 &	Drinking Water 4 0	Non-Municipal Drinking Water 4	Other (specify) 3 2	11	-

The report that you selected will be produced in a separate window.

The report below is a summary about the number of advisory notices issued on various types of drinking water systems – municipal, nonmunicipal and other types of systems (top row).

These drinking water systems fall under the O. Regulation 170/03 under the *Safe Drinking Water Act*, the two Small Drinking Water Systems Regulations, and other nonregulations systems under the *Health Protection and Promotion Act* (left column).

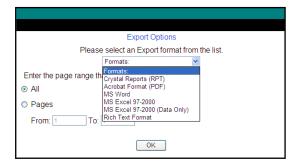


Any of the reports can be printed by clicking the *Print* (2^{nd}) icon found at the top left hand corner of the report page.



To produce other types of reports not included on the *List of Canned Reports*, you can export the data from the DWARS and create a custom report. Click on the *Export* (1st) icon at the top left hand corner of the report page.

The *Export Options* window will open. Choose from the *Formats* list how you want to export the data. The choices range from "Crystal Reports (PRT)" to "Rich Text Format." Once you select the type of Format and click OK, you will be able to see the report in a different format type or create other types of reports with the raw data.



Glossary



Drinking Water Advisory Reporting System - User Manual

Glossary

10.0 DWARS Glossary

The glossary provides definitions for acronyms and other terminology used throughout the DWARS and this user manual.

Term	DESCRIPTION
Advisory	An advisory informs and educates the public on what precautions (if any) to take prior to using water for drinking or other purposes until the safety of the drinking-water supply is restored.
Advisory notice	An advisory notice is any notification provided to the owner, operator, operating authority or users of a water system that informs them of changes to the safety of their water supply.
Bioaccumulation	Accumulation of a substance in a living organism as a result of its intake both in its
boil water advisory	Boil water advisory informs and educates the public about how they can render their drinking water safe by boiling it for one minute.
CFUs	Colony-forming units of bacteria (E. coli or other coliform bacteria).
chloramination	Combined chlorine residual disinfection in the form of mono-chloramine (see <i>combined chlorine residual</i> below).
chlorination	The process of applying various forms of chlorine to treat drinking water to render it safe to drink.
	The amount of chlorine in the water can be measured as <i>free chlorine residual</i> disinfection (see below).
chlorine residual	The concentration of chlorine remaining in water at the end of a specified contact period during which it reacts chemically and biologically. It may be present as either 'combined' or 'free chlorine' or both. The absence of chlorine residual is an immediate indication of potential water quality or treatment concerns, and that the water is not protected from contamination by microbiological organisms.
Coliform bacteria	A group of bacteria whose presence in drinking water can be used as an indicator for operational monitoring. The monitoring of heat-resistant fecal coliform in drinking water has now been replaced by direct enumeration of the major type, E. coli.
combined chlorine residual	Produced by the process of chloramination, the minimum required combined chlorine residual to render drinking water safe is 1.0 mg/l. A residual of less than 0.25 mg/l is an adverse test result.

Term	DESCRIPTION
Cryptosporidium	A parasitic protozoan, the eggs or oocysts stage of which is commonly found in lakes and rivers and are highly resistant to disinfection. Cryptosporidium has caused several large outbreaks of gastrointestinal illness, with symptoms that include diarrhea, nausea and stomach cramps. People with weakened immune systems (immuno-compromised people) are likely to have more severe and more persistent symptoms than healthy individuals.
Cyanobacteria	Cyanobacteria, commonly known as 'blue-green algae', are one of the algae that cause visible algae "blooms" in bodies of fresh water. It contains chlorophyll and phycobilins, which can be toxic in higher concentrations.
Cyanotoxins	A general term for the range of toxins produced by cyanobacteria.
designated facilities	A child and youth care facility, a children's camp, a delivery agent care facility, a health care facility, a school or private school, a social care facility, or a university, a college of applied arts and technology, or an institution with authority to grant degrees (O. Reg. 170/03 s.1(1))
drinking water advisory	A drinking water advisory informs and educates users that their drinking water cannot be corrected or rendered safe simply by boiling it for one minute or by other means of disinfection. This condition may arise because a chemical or radiological standard is exceeded and the water is judged to be hazardous.
drinking water directive or order	The Medical Officer of Health directs or orders an owner or operating authority of a drinking water system to provide a drinking water advisory to the users of the drinking water system. The directive or order may stipulate required corrective actions, provision of additional information, and other measures.
Drinking Water Quality Standards	Refers to Ontario Regulation 169/03 (Ontario Drinking Water Quality Standards) made under the <i>Safe Drinking Water Act</i>
Drinking Water Systems Regulation	Refers to Ontario Regulation 170/03 made under the Safe Drinking Water Act
Escherichia coli (E. coli)	Bacterium found in the gut and used as an indicator of fecal contamination of water by humans and other warm-blooded animals.
free chlorine residual	Produced by chlorination, the minimum required free chlorine residual is 0.2 mg/l. A result indicating a residual of less than 0.05 mg/l is a reportable adverse test result.
Giardia lamblia	A protozoan frequently found in rivers and lakes. If water containing the infectious cysts of <i>Giardia</i> is ingested, the protozoan can cause a severe gastrointestinal disease called Giardiasis, commonly known as "beaver fever".
GPS	The Global Positioning System (GPS) coordinates (latitude and longitude, in decimal degrees) used to specify the position of the point of reference for a drinking water source, (i.e., the actual well head or the intake pipe location).
	The required coordinates are latitude (north-south) and longitude (east-west), and must be provided using the North American Datum 1983 (NAD83).

Term	DESCRIPTION
groundwater	water located in subsurface aquifers where the aquifer overburden and soil act as an effective filter that removes micro-organisms and other particles by exerting a straining and antagonistic effect to an extent that the water supply may be rendered potable, although disinfection is required as an additional health risk barrier.
HPPA	Health Protection and Promotion Act, 1990
IMAC	Interim maximum acceptable concentration.
	The IMAC is established for parameters either when there are insufficient toxicological data to establish a maximum acceptable concentration (MAC) with reasonable certainty, or, when it is not feasible for practical reasons, to establish a MAC at the desired level. O. Reg. 169/03 prescribes MACs and IMACs as standards of Ontario drinking-water quality.
lift	To annul, rescind or remove a drinking water advisory notice previously issued to the operator or operating authority of a drinking water system when it is determined that the water supply no longer poses a risk to users.
MAC	Maximum acceptable concentration (MAC) is established for various parameters which, when present above a certain concentration, have known or suspected adverse health effects. The length of time the MAC can be exceeded without health effects will depend on the nature and concentration of the parameter. O. Reg. 169/03 prescribes MACs and IMACs as standards of Ontario drinking water quality.
medical officer of health	The Medical Officer of Health for the health unit in which the system is located.
Micro-organism	An organism too small to be visible to the naked eye. Bacteria, viruses, protozoa, and some fungi and algae are micro-organisms.
Microcystins	Cyclic non-ribosomal peptides produced by Cyanobacteria that can be very toxic for plants and animals including humans.
MOHLTC	Ministry of Health and Long-Term Care
notice	A method of notifying users of a drinking water system that the water may not be safe to consume or use for other activities. The notice may be issued by the operator, operating authority or local board of health staff (i.e., PHI or MOH).
notify medical officer of health	Requirement for the owner or operating authority of the drinking-water system to immediately notify the medical officer of health upon receipt of an adverse test result or sight of an adverse observation.
	The notification must be made by "speaking with a person at the office of the medical officer of health or, if the office is closed, by speaking with a person at the on-call system of the health unit" as prescribed by Schedule 16 of O. Reg. 170/03.

Term	DESCRIPTION
notify users	Requirement for the owner or operating authority of the drinking water system to immediately "notify all users that there is an adverse event associated with the system".
	Notification may direct users to use an alternate source of drinking water or to bring water to a rapid rolling boil for at least one minute before use, as prescribed by Schedule 18 of O. Reg. 170/03.
operator or operating authority	This is an abbreviation for an "accredited operating authority" of a drinking water system: the person or entity that is given responsibility by the owner for the operation, management, maintenance or alteration of the system. The Ontario Clean Water Agency is an example of an accredited operating authority.
potable	Drinking water that meets compliance with O. Reg. 169/03 (<i>Ontario Drinking Water Quality Standards</i>).
precautionary principle	The principle may be applied when precautionary measures are needed in the presence of possible threats to human health or to protect the environment in the absence of reliable scientific data.
	The precautionary principle is applied mainly where there is a danger to public health.
primary disinfection	A process or series of processes intended to remove or inactivate human pathogens such as viruses, bacteria and protozoa in water.
record	The details about the issuance and rescission of an advisory notice that are entered into the DWARS. Each entry of a notice that was issued to the operator or operating authority is referred to as a record.
Regulation	The Regulation governing a particular drinking water system.
	O. Reg. 169/03 (Ontario Drinking Water Quality Standards)
	O. Reg. 170/03 (Drinking Water Systems)
	O. Reg. 318/08 (Transitional – Small Drinking Water Systems)
	O. Reg. 319/08 (Small Drinking Water Systems)
report	This is a canned (pre-defined) document that is produced from the records entered into the DWARS. There are currently 10 canned reports that can be produced by board of health users.
resample and test	A requirement that at least 3 water samples for the parameter that caused adverse water quality must be collected and tested. The first sample must be collected from the same location that caused the adverse water quality result. The second and third samples are to be collected and tested from upstream and downstream locations, at a significant distance from the location of the adverse water test result, where reasonably possible.
rescind	The lifting of a boil water or drinking water advisory. The Medical Officer of

Term	DESCRIPTION
	Health may revoke/annul a boil water or drinking water advisory when it has been determined that the drinking-water from the drinking-water system does not present a health or safety risk to users.
restore chlorine levels/flush mains	Directs the water system owner/operator to increase the chlorine or chloramine dosage and flush the distribution system and plumbing or water mains to ensure a minimum free chlorine residual of 0.2 mg/l for a water system using chlorination, or a minimum combined chlorine residual of at least 1.0 mg/l for a water system using chloramination, at all points in the affected part(s) of the distribution, as prescribed by Schedule 17 and 18 of O. Reg. 170/03
Risk assessment	The overall process of using available information to predict how often hazards or specified events may occur (level of likelihood) and the magnitude of their consequences (adapted from AS/NZS 4360:1999).
SDWA	The Safe Drinking Water Act, administered by the Ministry of the Environment.
surface water	Water bodies (lakes, wetlands, ponds including dug-outs), water courses (rivers, streams, water-filled drainage ditches), infiltration trenches, and areas of seasonal wetlands.
SDWS	Small Drinking Water System
source	The source of the water being supplied
Source type	The intake water source type.
Drinking water system number	The unique 9-digit number that identifies a drinking water system. These numbers can be all-numeric (systems starting with 2 or 7) or alphanumeric (systems starting with 8).
Total coliforms	Combined counts of bacteria whose presence in drinking water can be used as an indicator for operational monitoring: E. coli, and intestinal enterococci.
URL	Uniform Resource Locator: the global address indicator for documents and websites on the internet.

References

References

11.0 DWARS References

The references provide the sources (literature, web sites, etc.) used to inform the development of this manual for use with the DWARS.

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- 4. Ontario Ministry of Health and Long-Term Care. Response to Adverse Drinking Water Quality Incidents Guidance Document, 2009. <u>http://www.health.gov.on.ca/english/providers/program/pubhealth/oph_standards/ophs/progstds/pdfs/adw</u> <u>gi_response.pdf</u>
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