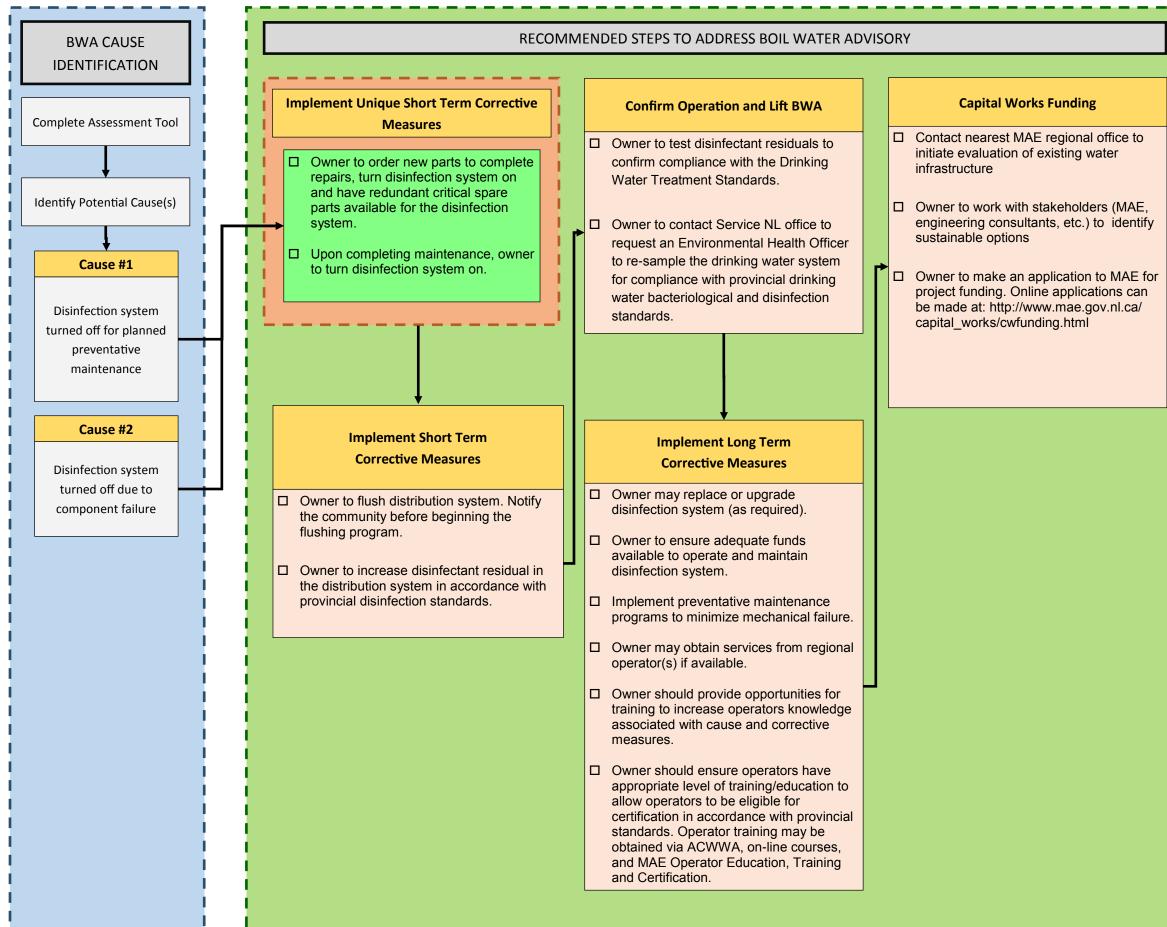
SOP #

5

**REASON CODE:** 

## STANDARD OPERATING PROCEDURE

C1—Disinfection system is off due to maintenance or mechanical failure



	0 DATE: Dec. 2015
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	IMPLEMENT PREVENTATIVE MAINTENANCE
	DAILY
	Measure and record flow rates.
	Complete daily disinfection and treatment logs.
	<ul> <li>Visual inspection of chemical feed pumps and feed lines.</li> </ul>
	Measure and record chemical usage.
	Measure and record free and total chlorine residual throughout the distribution system (first user, end of main and branch lines).
	WEEKLY
	Visual inspection of chlorine injector for leaks and ensure operating normal.
	MONTHLY
	<ul> <li>Inspect and clean intake structure, intake screens and pipeline.</li> </ul>
	<ul> <li>Inventory all consumables and order supplies as necessary.</li> </ul>
	If a back-up metering pump is available, replace operating pump with back-up pump and inspect internal components.
	3 MONTHS
	<ul> <li>Clean chemical feed lines and solution tanks.</li> </ul>
	<u>6 MONTHS</u>
	<ul> <li>Inspect watershed for potential sources of contamination (including development activity, storage of chemicals/fuels and animal activity).</li> </ul>
	ANNUAL
	<ul> <li>Inspect dam and spillway for signs of deterioration, malfunction, blockages and public safety.</li> </ul>
	For more detailed information on preventative maintenance schedules for water infrastructure visit http://www.mae.gov.nl.ca/waterres/waste/ community.html