STANDARD OPERATING PROCEDURE				
SOP # 6 REASON CODE: C2—Disinfection system is off due to lack of chlorine or other disinfectant			0 DATE: Dec. 2015	
BWA CAUSE IDENTIFICATION Complete Assessment Tool Identify Potential Cause(s) Cause #1 Owners lack of knowledge of the importance of disinfection and not allocating sufficient funds for this item Cause #2 Community is located in a remote area with limited supply/transportation options available Cause #3 Lack of administrative/ logistical capacity to ensure chemicals are ordered as needed.		Confirm Operation and Lift BWA Owner to test disinfectant residuals to confirm compliance with the Drinking Water Treatment Standards. Owner to contact Service NL office to request an Environmental Health Officer to re-sample the drinking water system for compliance with provincial drinking water bacteriological and disinfection standards. Implement Long Term Corrective Measures Owner to undertake full cost accounting/full cost recovery to understand what it costs to operate and maintain the water system. Owner may obtain services from regional operator(s) if available. Owner should identify alternate suppliers for disinfectant. Owner may also confirm what nearby communities use same disinfectant and make arrangements or agreement for loan/purchase in event of emergency. Disinfectant used should be NSF 60 certified and not be beyond shelf life. Owner may evaluate the feasibility of an on-site chlorine generator if their community is remote. Owner should provide opportunities for training to increase operators knowledge associated with cause and corrective measures.		MPLEMENT PREVENTATIVE MAINTENANCE DAILY Measure and record flow rates. Complete daily disinfection and treatment logs. Visual inspection of chemical feed pumps and feed lines. 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 Inspect and clean intake structure, intake screens and pipeline. Inventory all consumables and order supplies as necessary. If a back-up metering pump is available, replace operating pump with back-up pump and inspect internal components. 3 MONTHS Clean chemical feed lines and solution tanks. 6 MONTHS Inspect watershed for potential sources of contamination (including development activity, storage of chemicals/fuels and animal activity). ANNUAL Inspect dam and spillway for signs of deterioration, malfunction, blockages and public safety. For more detailed information on preventative maintenance schedules for water infrastructure
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