

CONTINGENCY PLAN
Township of Tay - QMS Operational Plan

Township of Tay Water Treatment & Distribution Systems

Element 8.7 – Risk Assessment Outcomes

Problem: Contamination of Water Supply Procedure

Raw and/or Treated Water Contamination

In the event that the raw and/or treated water supply becomes contaminated contact the ORO and/or Lead Hand and perform the following:

1. Switch off low lift pumps, have the local disconnect switch opened and Lockout/Tagout.
2. Switch treatment plant high lift pumps to MANUAL OFF position and Lockout/Tagout.
3. Reporting is required. Follow *Element 8.1 - Adverse Water Condition and/or Other Problem*.
4. Notifications will be required to residents as per the *Emergency Notification Procedure*.

Raw and/or Treated Water Contamination Instructions

If the plant needs to remain shut down for an extended period, notifications will be made as per Section C of *Emergency Notification Procedure Element 8.1.3*. This notice should include the implementation of an appropriate water conservation advisement.

If a satisfactory solution is reached with the Public Health Unit (PHU) and Ministry of the Environment, Conservation and Parks (MECP) and the problem is resolved, restart plant operations, continue to maintain contact, and follow other instructions as necessary.

If the plant cannot be restarted, follow further instructions from the PHU and MECP. Seek alternate water source.

If consultation is not possible, refer to SOP Binder to *ANSI/AWWA C652-02 Standard for DISINFECTION OF WATER STORAGE FACILITIES* and/or *ANSI/AWWA C651-99 Standard for DISINFECTING WATER MAINS*. Operation of the plant will only be resumed when the PHU and the MECP have confirmed that the risk of contamination has been eliminated.

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The water treatment facility relies on a surface water supply which experiences commercial, residential, and recreational use. Therefore, contamination of the water at or near the facility's intake is possible.

The distribution system consists of three water storage stand pipes; depending on current volume, a period of non-production time can be experienced at the plant without loss of service to the public.

If the plant will need to remain shut down beyond the ability of the standpipes to maintain positive pressure in the system, consultation with the MECP and PHU will need to take place regarding system start-up procedures. Water may need to be hauled in to maintain distribution system pressure.