



TOWN OF WINDSOR

WATER UTILITY POLICY

IMPLEMENTATION OF EMERGENCY WATER TREATMENT PLANT BY-PASS

OBJECTIVE

The Town of Windsor Water Treatment Plant designed in 2001 allows for the provision of an emergency raw water by-pass that would provide the Town of Windsor and its customers with an adequate water supply for fire protection in the event that the water treatment plant malfunctioned or extreme fire flow demands exceeded the design flow and storage capacity of the system. This policy acknowledges that the by-pass procedure is reserved for extreme emergency situations and outlines the steps that must be taken prior to implementing the by-pass and also outlines the procedure required to assure that water quality standards are achieved following the duration of the by-pass procedure.

IMPLEMENTATION PROCEDURE

- (a) The Director of Public Works, or his designate, upon consultation with the Water Treatment Plant Operator and/or the Fire Chief of the Windsor Fire Department, or his designate, would determine the need for implementation of the emergency by-pass operation.
- (b) The Director of Public Works will contact the Nova Scotia Department of the Environment & Labour and notify them of the need to implement the by-pass operation. Upon concurrence by the Nova Scotia Department of the Environment & Labour the Town of Windsor will initiate a Boil Water Order in accordance with public notification procedures outlined in the Environment Act of Nova Scotia for the duration of this procedure.
- (c) The Medical Officer of Health would be notified of intended action.
- (d) Following the implementation of the public notification procedure the Director of Public Works will instruct the Water Treatment Plant Operator to assure that the emergency by-pass chlorination system is operational, install the emergency bypass spool and implement the emergency by-pass.

PROCEDURE FOR REMOVAL OF EMERGENCY BOIL ORDER

- (a) Following the emergency the Water Treatment Plant Operator will remove the emergency by-pass spool and allow treated water from the plant to flow into the system.
- (b) System flushing and testing will be carried out in accordance with the Nova Scotia Department of the Environment & Labour "Guidelines for Monitoring Public Drinking Water Supplies" until Department of the Environment and Labour removes the boil order.