

LONG BEACH WATER WORK

Customers of Long Beach Water System in Wainfleet, Ontario

Updates on the status of the water system
improvements

**We are committed to providing customers with safe and
reliable water service**

NOTICE OF PROJECT UPDATE

Boil Water Advisory

Please note that a precautionary Boil Water Advisory remains in effect for the Long Beach water system. Refer to recommendations below for safe handling and use of water during the advisory. If you have any further questions about the safe use of water, please contact the **Niagara Regional Public Health Department** at 905-688-3762 or 1-800-263-7248. Visit our web site for more information.

Project Overview

A- Water Treatment Plant Upgrade:

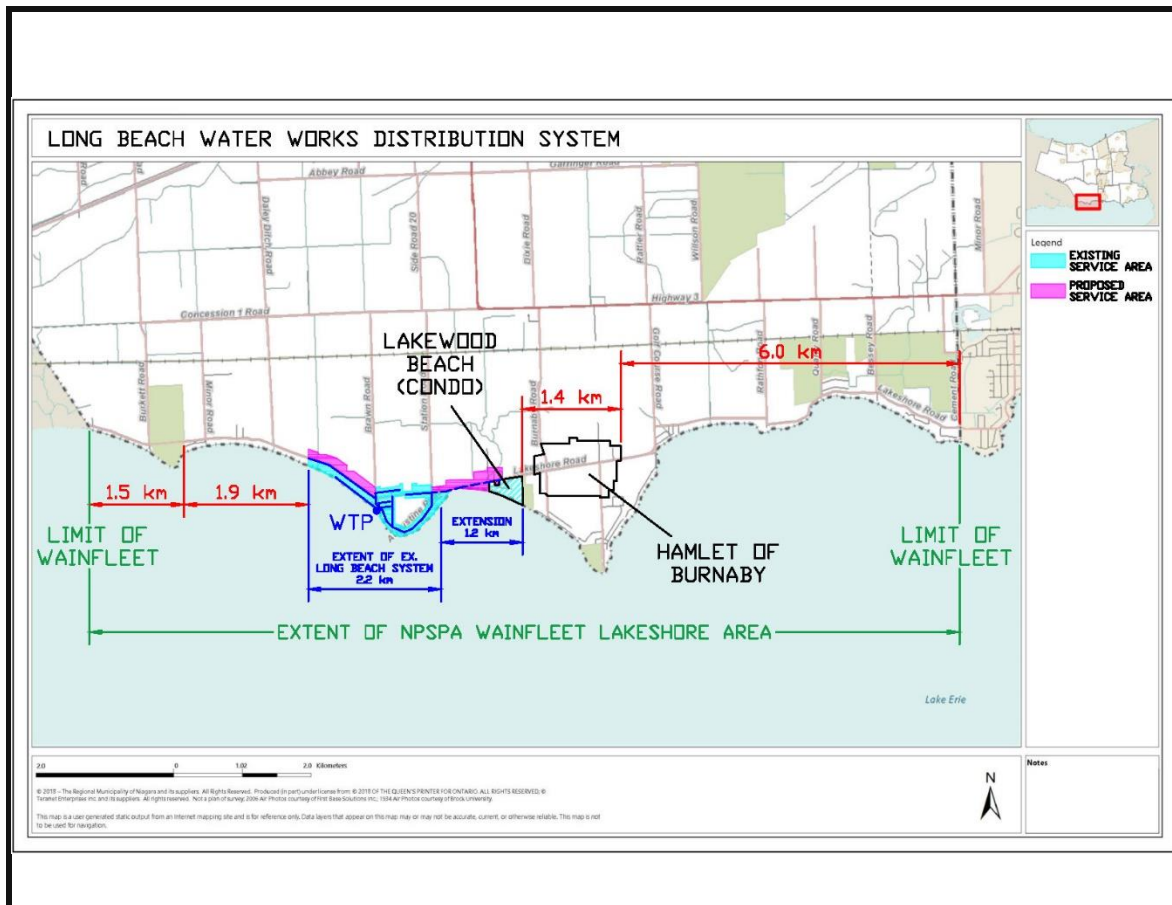
In March 2020, Clearford Water Systems had commenced the construction project to upgrade the existing Long Beach Water Treatment Plant Infrastructure to improve water quality and system pressure and to eliminate water turbidity throughout the year. This upgrade was designed to comply with Regulation 170/03 and enhance the water process and distinction procedure to achieve high quality for drinking water. Recent operating experience has demonstrated that variable raw water quality from the Lake and particularly episodes of high turbidity are the primary treatment challenges at the plant. At the completion of this project we should eliminate this problem. Under this project, we will upgrade the following:

- The existing system has aging equipment. We believe that by upgrading our pressure tanks, the filtration and disinfection system will reduce turbidity in filtered water below 1 NTU and total Trihalomethanes (TTHM's) below 0.100 mg/L.
- Improve the testing system in order to be able to test and record every 5 minutes.
- Upgrading the disinfection equipment will improve the ability of a chlorination system to achieve primary disinfection that meets MECP treatment standards.
- Upgrading our pumping equipment to improve system pressure and flow capacity.
- Upgrading and improving the raw-water resources to eliminate the unpredicted water quality through the year.
- The equipment replacement and process upgrade shall be performed in stages to prevent any water supply/distribution interruption and minimize the impact on local consumers.

B- Water Distribution System

The system currently supplies approximately 321 residential units consisting of seasonal and year-round homes plus a small number of local seasonal businesses. There are plans to expand the distribution system upon completion of the Water Treatment Plant upgrades to serve more customers including 41 year-round homes at the proposed Lakewood Beach development located approximately 2 km east of Long Beach, plus up to 50 homes to the east and 80 homes to the west of the existing service area. Clearford is planning to conduct a hydraulic analysis and a route study to identify the preferred route alignment(s) for two sections of water mains. First watermain going to the east of the treatment plant and the second watermain is going to the west of the treatment plant. Approvals and easement agreements will be in place to permit the construction. Our primary focus will be to begin with areas of the distribution system with significant concerns, moving outwards from there.

The new watermain will replace the existing water distribution system gradually and there will be no service interruption during construction. Year-round service connections will be made available to all residents upon completion of the distribution system upgrades.



Public Comments

To comment or request additional information, please contact:

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Stoney Creek, ON

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Website: <https://www.clearford.com/about-us/regions-projects/north-america/long-beach/>

After Hours Emergency

In the event of a watermain break, watermain leak, loss of pressure or service please contact:

1-800-704-4188 and follow the recorded direction