

The Municipality of Chatham-Kent Dresden Elevated Storage Tank Rehabilitation and Improvements Project

The Chatham-Kent Public Utilities Commission (CKPUC) is initiating the rehabilitation and maintenance improvements to the Dresden Elevated Storage Tank, located at 10168 McCreary Line in the Community of Dresden.

The Dresden Elevated Storage Tank was originally constructed in 1999 and is owned and operated by CKPUC. The Dresden Elevated Storage Tank is a major component of the Chatham-Water Supply and Distribution System. Its key functions are to:

- Equalize system pressures during high water demands and minimize pumping requirements
- Provide water storage for firefighting capabilities
- Meet emergency demands in the system

Elevated Storage Tank Details:

- Networking capacity: 5,455 m³
- Overall height: 42.25m
- Support pedestal diameter: 14.6m
- Steel tank diameter: 24.3m



Dresden Elevated Tank Pre Rehab

About the Project

A number of improvements and miscellaneous upgrades to the Dresden Elevated Storage Tank are required to increase the reliability of the tank and its functionality for the next 20 plus years. The required work include the following:

- Complete removal and replacement of the interior and exterior coatings of the tank
- Installation of additional health and safety features and a code-compliant guardrail system on the tank roof
- Installation of a hydrodynamic mixing system inside the tank to improve water age and chlorine residuals
- Installation of accessory upgrades including new antenna supports
- Upgrades to the lighting system
- Minor upgrades to the process mechanical equipment within the base of the structure

What is expected to happen while the tank is rehabilitated?

Completion of some of the major rehabilitation and improvement works will require the Dresden Elevated Storage Tank to be taken out of service. The tank is expected to be out of service for a period of 12 to 14 weeks; however, this may change depending on the weather conditions.

To safely complete the removal and replacement of the exterior coating, a scaffolding system will be installed and the tank will be enclosed by shrouding. The shrouding will protect the surrounding environment and properties by containing all blast media and coating overspray during the upgrade work.

During the period that the elevated tank is out of service, there will be a reduced level of water pressure available in the water system. Coordination with the fire department will take place prior and during the construction of the works. Water restrictions may be imposed during the construction period to reduce peak water demands.

What activities will take place during rehabilitation?

The pictures below illustrate some of the major activities that will take place during the rehabilitation and improvement of the existing Dresden Elevated Storage Tank.



Shrouding Enclosure



New Logo Application



New internal water mixing system

Tank Rehabilitation Schedule

Award contract:	December 2017
Commencement of construction:	February 2018
Final testing and commissioning:	July 2018
Completion of construction:	September 2018
Site Restoration:	September 2018

*Rehabilitation schedule subject to change

Who can I contact for more information?

The Chatham-Kent PUC values your comments and concerns and is interested in receiving feedback from property owners about this construction project. If you wish to provide any information, or to further discuss your situation, you can contact the project managers noted below by phone, mail, fax or email.

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We thank you for your patience and cooperation as these necessary upgrades are undertaken. Please visit: www.ckpuc.ca for more Chatham-Kent Public Utilities Commission Information.