

Public Utilities Commission for the Municipality of Chatham-Kent

Drinking Water Quality Management System

CK PUC Operational Plan

DWQMS Element 16 – Sampling, Testing, and Monitoring

Purpose

This Policy outlines the activities used by the Public Utilities Commission for the Municipality of Chatham-Kent (C-K PUC) to sample, test, and monitor drinking-water to ensure its safety and quality.

Scope

This Policy applies to all drinking-water facilities of the C-K PUC and all personnel performing duties related to the sampling, testing, and monitoring of drinking-water.

Policy

1.0 Performance of Sampling, Testing, and Monitoring

- 1.1 The C-K PUC shall document a procedure that describes the sampling, testing, and monitoring activities conducted by the C-K PUC and C-K Public Works Department.
- 1.2 Each of the drinking-water facilities and distribution systems that is part of the C-K PUC has an individual sampling program to verify the water quality. The details are outlined in the Sampling, Testing, and Monitoring Procedure – Control No 2000335.
- 1.3 All facilities have continuous alarmed monitoring for water characteristics critical to the supply of safe drinking water.
- 1.4 Upstream sampling, testing, and monitoring activities for the Bothwell Distribution System are performed by the West Elgin Primary Water System and sampling, testing, and monitoring for upstream conditions for the North Wallaceburg System are completed by the Lambton Area Water Supply.

- 1.5 Additional sampling may be taken at the discretion of the ORO, Area Manager, or Chief Operator during challenging conditions. Additional sampling activities may include increased raw water sampling. These processes are documented in the Sampling, Testing, and Monitoring Procedure – Control No 2000335.
- 1.6 The results of sampling conducted at each of the C-K PUC facilities are communicated through an Annual Summary Report for Chatham-Kent Drinking Water and Wastewater Systems.

2.0 Associated Forms, Procedures, Work Instructions

- Sampling, Testing, and Monitoring Procedure – Control No 2000335
- BWDS Sampling Program – Control No. 2000063
- CHWT Sampling Program – Control No. 2000476
- HIWT Sampling Program – Control No. 2000277
- NKDS Sampling Program – Control No. 2000174
- NWDS Sampling Program – Control No. 2000131
- RIWT Sampling Program – Control No. 2000238
- SCKWT Sampling Program – Control No. 2000292
- WAWT Sampling Program – Control No. 2000081
- WHWT Sampling Program – Control No. 2000477

3.0 Records

- Annual Summary Reports for Chatham-Kent Drinking Water and Wastewater Systems
- Lambton Area Water Supply Annual Report
- West Elgin Primary Water System Annual Report