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# CHATHAM-KENT PUBLIC UTILITIES COMMISSION

# PUC NEWSLETTER

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Fall 2009

## 2009 Chatham-Kent Children's Water Festival

The third annual Chatham-Kent Children's Water Festival (CKCF) had another successful year. The event took place at C.M Wilson Conservation Area and the Children's Safety Village.

Even with the cancellation of one day due to high winds, hundreds of local students were educated on the importance of water/wastewater and the process of how it is cleaned.

"Where it goes when I go" and "The A-Maze-ing Water Treatment Plant" provide active learning opportunities about wastewater and water treatment process. The PUC activities were not only educational for the students, but were also very enjoyable.

Thank you to all the PUC Volunteers for all your hard work and making this years CKWF a success

## Drinking Water Quality Management Standard (DWQMS) Quality Management System (QMS) Department

Implementation of the DWQMS is divided into 4 steps:

1. Plan
2. Do
3. Check
4. Improve

We have completed the 'Plan' step by submitting the C-K PUC DWQMS Operational Plan, Policies, Procedures, Contingencies and Associated Documents Manual to the Canadian General Standards Board for a desktop audit of the documentation.

With the RRAM software allowing all staff to complete their required training, all policies, procedures, contingencies and associated documentation has taken effect. A standardized Preventative Maintenance Program (CHECK Maint) is in place. A Record Retention Program has also been implemented. These are a few of the items that have been completed to meet the requirements of the 'Do' step of the DWQMS. This moves us into the 'Check' step. The second round of Internal Auditing is set to begin. An on-site external audit of our QMS will be completed by the Canadian General Standards Board in 2010. Management Review meetings of the QMS are on-going monthly.

With the feedback used from continuous auditing and from the Management Review meetings, we are now moving into the 'Continual Improvement' step of the C-K PUC QMS.

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## Wallaceburg Water Treatment Plant – Process Waste Facility Project

The general contractor, Kingdom Construction Limited, is finishing deficiencies and minor work for the Wallaceburg WTP – Process Waste Facility Project. Construction began in September of 2008 and substantial completion was achieved in August of 2009. CH2M HILL are the consulting engineers for the project. The new work allows the backwash and process wastewater to be discharged to the sanitary sewer rather than storm sewer. An equalization tank and pumping station was introduced as part of the work because of the large instantaneous hydraulic load on the sanitary sewer system. The equalization tanks act as a buffer to the sewer system and new pumps introduce wastewater at a constant flow to the sanitary sewer. The total value of the project is approximately \$2.7M



(Commissioning and Training of Staff at the Wallaceburg Water Treatment Plant)

## Ridgetown Wastewater Treatment Plant

Work is continuing on the Ridgetown WWTP. The general contractor, McKay-Cocker Construction Limited is on schedule to have the new WWTP completed this December (2009). Associated Engineering/Dillon Consulting are the consulting engineers who designed the new plant. The plant will be rated at 2,347 m<sup>3</sup>/day Average Daily Flow. The new WWTP will replace the existing lagoon/New Hamburg treatment system which is currently rated at 1,537 m<sup>3</sup>/day. Total project cost is approximately \$16.4M.



(Entrance of Ridgetown Wastewater Treatment Plant)

### Sanitary Sewer Investigations

The sanitary sewer investigations for 2008 have been completed for the communities of Blenheim, Chatham, Dresden, Ridgetown, Tilbury, Thamesville, Wallaceburg and Wheatley. Reports will follow regarding any remedial repairs

### **Combined Sewer Separation Projects**

The Delaware Ave and St.Clair Street Combined Sewer Separation Projects in Chatham are nearing completion. Henry Heyink Construction was the general contractor for both projects. Stantec Consulting is the engineering firm for St.Clair Street and AECOM is the engineering firm for Delaware Ave projects.

### **Lacroix Street Watermain Replacement (and Road Reconstruction)**

The new watermain has been commissioned and the project is nearing completion. Chatham-Kent Engineering Department was responsible for the engineering services. The general contractor is Henry Heyink Construction.

### **North Area Wireless SCADA Upgrade**

The wireless upgrades to the SCADA system for the North Area is nearing completion. The enhancements will bring improved speed and monitoring at remote sites through new panel view PLCs. Thank you for all the PUC staff that participated, assisted and devoted extra time for the project.

## **The Canada – Ontario - Infrastructure Stimulus Fund (ISF)**

The federal and provincial government approved 15 infrastructure projects in Chatham-Kent. Of the 15 projects, 9 of them include a water/wastewater (PUC) component. The 15 projects worth \$50.5 million are being funded under the Infrastructure Stimulus Fund.

The Chatham-Kent Public Utilities Commission will proceed with the 6 water/wastewater only projects approved for the Infrastructure Stimulus Fund (ISF) program.

The engineering services for the sanitary sewer rehabilitation projects were assigned to the following consulting firms:

1. Community of Tilbury – Thames Valley Engineering Inc.

2. Community of Wallaceburg – Dillion Consulting Limited ( 2 Projects )
3. Community of Chatham – Stantec Consulting Ltd. ( 2 Projects )
4. Community of Chatham (King Street) – Dillion Consulting Limited

The remaining three projects involving sanitary sewer separation and components of watermain replacement include:

1. Robertson Avenue(Chatham) Combined Sewer Separation Project – Dillion Consulting Limited
2. Van Allen Street(Chatham) Phase III Combined Sewer Separation Project – AECOM
3. Dresden Storm Sewer ( and watermain ) Project – Dillion Consulting Limited

Together with Municipal contributions, the total investment in local infrastructure improvement under the Infrastructure Stimulus Fund intake exceeds \$3.5 billion in Ontario.

The projects must be completed by March 31, 2011 in order to be funded by the ISF.

### **New Waterlines (Commissioned)**

#### **WALLACEBURG**

- Wallace St / McGregor Line Sept 2/09

#### **OWWCO EXAM DATES**

<b>LOCATION</b>	<b>EXAM DATE</b>	<b>DEADLINE DATE</b>
Chatham/Blenheim-Park Ave. Business Centre	Jan. 11, 2010	Dec. 11, 2009
London-Carling Heights Optimist Community Centre	Feb. 01, 2010	Jan. 04, 2010
Windsor-Constable John Atkinson Memorial Community Cent	Mar. 25, 2010	Feb. 25, 2010

**\*\*Refer to owwco website for changes to schedule.**

Please call Lilly Snobelen 436-0119 ext 356 with any suggestion or questions regarding training.