

MINUTES

PUBLIC UTILITIES COMMISSION

**PUC BOARDROOM
325 GRAND AVE E**

**FEBRUARY 22, 2007
4:00 PM**

PRESENT: Commissioners Bryon Fluker, Steve Pickard, Joe Faas, Steve Pinsonneault, Frank Vercouteren, CAO Joe Pavelka, Senior Level Advisor Jack Sonneveld, General Manager Scott Prail, Facility, Systems Manager Rob Bernardi, Manager (South) Tom Kissner, Manager (Central) Don Moore and Supervisor of Compliance and Monitoring Robin Dudley.

ABSENT: Commissioner Sheldon Parsons (arrived at 4:30 PM) and Mayor Randy Hope.

General Manager Scott Prail introduced the PUC Administration to the PUC Commission.

1. **CALL TO ORDER**

General Manager Scott Prail called the meeting to order at 4:03 PM.

2. **SELECTION OF COMMISSION CHAIRPERSON**

Moved by Commissioner Vercouteren and seconded by Commissioner Faas.

“That Commissioner Fluker be nominated as Chairperson.” Commissioner Fluker accepted the nomination.

Motion carried

3. **DECLARATION OF PECUNIARY INTEREST**

Commissioner Faas declared pecuniary interest for reports 7 c & d.

4. **APPROVAL OF MINUTES**

a) November 16, 2006

Moved by Commissioner Vercouteren and seconded by Commissioner Faas.

“That the minutes of November 16, 2006 Regular Meeting be approved.”

Motion carried

5. **REPORTS**

a) PUC In-Camera Report

PUC IN-CAMERA REPORT

The PUC met in-camera on November 16, 2006 and would report the following for the approval of the PUC:

The PUC considered a report with respect to Tilbury Sanitation Sewer Investigation. It was moved and carried:

The findings of the investigation associated with Contract T06-120 Tilbury Sanitary Sewer Investigation be referred to the development of the sanitary sewer lifecycle program for inclusion in same.

The Public Utilities Commission review current sanitary sewer flushing programs within the subject area and evaluate any need for revision to same.

The PUC considered a report with respect to Chatham Water Pollution Control Plant – Blower and Raw Sludge Pumping Modifications. It was moved and carried:

The Chairperson and General Manager be authorized to complete the necessary agreements for the Chatham Water Pollution Control Plant - Blower and Raw Sludge Pumping Modifications Contract.

The PUC considered a report with respect to the Senior Level Advisor Position. It was moved and carried:

That the Chatham-Kent Public Utilities Commission confirm retaining Jack Sonneveld for the second year of the contract as approved in 2005.

Moved by Commissioner Faas and seconded by Commissioner Pickard.

“To receive the report.”

Motion carried

b) Water and Wastewater Reports

MUNICIPALITY OF CHATHAM-KENT
PUBLIC UTILITIES COMMISSION

TO: PUC Chairperson and Commission Members
FROM: Robin Dudley
Supervisor, Environmental Compliance and Monitoring
DATE: February 22, 2007
SUBJECT: Summary Reports of Drinking Water and Wastewater Systems

RECOMMENDATION:

It is recommended that:

1. The Chatham-Kent Public Utilities Commission review the attached summary reports on the drinking water and wastewater systems and address any concerns with the General Manager of the Chatham-Kent Public Utilities Commission.

BACKGROUND

Regulation 170/03, under the Safe Drinking Water Act, 2002 has been amended. Under Schedule 22 "Summary Reports for Municipalities" administration is required to present a yearly summary report to the members of the municipal service board (PUC) and to the members of Council.

The Chatham-Kent PUC has also asked that administration prepare a summary of the wastewater treatment systems for information.

COMMENTS

Attached are the Annual Summary Reports for each water and wastewater system under the Chatham-Kent Public Utilities Commission. The following list of items is included in the annual summary reports.

Water Systems:

- A summary list of issues for all the water systems
- A list of requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report and specify the duration of the failure.
- For each failure a description of the measures that were taken to correct the system.
- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows and daily instantaneous peak flow rates.
- A comparison of the summary to the rated capacity and flow rates approved in the system's approval.

Wastewater Systems:

- A brief description of the wastewater treatment system.
- A list of effluent requirements as set out in the various Certificates of Approval for the systems.
- A comparison of the summary to the rated capacity and flow rates approved in the system's approval.
- A table of the effluent analysis and any non-compliance issues identified.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

A: Providing a Safe Caring and Healthy Environment

A2: Providing adequate infrastructure to support, enhance and sustain existing and future growth.

Expected Results:

- Increase user satisfaction.

CONSULTATIONS

The Environmental Compliance Technicians assisted with the preparation of the facility reports.

FINANCIAL IMPLICATIONS

There are no financial implications resulting from the recommendation.

Prepared by:

Robin Dudley
Supervisor,
Environmental Compliance and Monitoring

Reviewed by:

Scott Praill, CET, B.Comm.
General Manager
Chatham-Kent PUC

Reviewed by:

Gerry Wolting, B. Math, CA.
(Acting) Chief Administrative Officer
Municipality of Chatham-Kent

Moved by Commissioner Pickard and seconded by Commissioner Vercouteren.

“That the Chatham-Kent Public Utilities Commission review the attached summary reports on the drinking water and wastewater systems and address any concerns with the General Manager of the Chatham-Kent Public Utilities Commission.”

Motion carried

c) Tender Award – River Line

Commissioner Faas excused himself from this report.

MUNICIPALITY OF CHATHAM-KENT

Public Utilities Commission

TO: PUC Chairperson and Commissioners
FROM: Jeannie Medeiros
Technical Assistant/Projects Co-ordinator, Chatham-Kent PUC
DATE: February 22, 2007
SUBJECT: River Line Waterline Extension – Contract T06-152
(Community of Harwich)

RECOMMENDATIONS

It is recommended that:

1. The tender in the amount of \$329 660.00 (including 6% GST) for the River Line Watermain extension, Contract T06-152 be awarded to Delway Contractors Limited.
2. The Chairperson and General Manager be authorized to complete the necessary agreements.

BACKGROUND

The River Line water petition was submitted to the Chatham-Kent Public Utilities Commission in February 2006.

The service area would see the construction of a 200 mm diameter waterline on River Line for a distance of 3 315 metres and terminating at #11014 River Line. The system will include a 200 mm diameter waterline under the Thames River to loop into the existing water system on Longwoods Road.

A total of twenty-five (25) residential land parcels and two (2) vacant agricultural parcels exist along this portion of the petitioned area. The estimated cost per connection for the proposed River Line waterline extension, including the 2006 Part 12 Charge is \$11,999.00.

An information and vote package describing the proposed extension project and costs associated was distributed to the benefiting owners on April 10, 2006. A ballot was included with the return date of May 3, 2006. One hundred percent (100%) of the property owners returned the ballots. The ballot results were seventy-one percent (71%) in favour of proceeding with the project. The Commission approved the project at its regular meeting on May 18, 2006.

Thames Valley Engineering Inc. prepared an estimated cost for the proposed waterline. The estimated cost for the project, including engineering and GST is \$458,440.00 of which \$180,186.00 is associated with looping the proposed waterline into the existing water system on Longwoods Road and would be charged to the PUC.

COMMENTS

Thames Valley Engineering Inc. carried out the project engineering. The Purchasing Officer received and opened tenders for the contract on Tuesday, February 13, 2007.

A total of eight (8) tenders were received and they are summarized in the following table:

River Line Waterline Extension Contract T06-152	
Tenderer	Quotation amount (including 6% GST)
Delway Contractors Limited Chatham, Ontario	\$329,660.00
G.W. Clarke Drainage Contractor Blenheim, Ontario	\$371,557.61
Murray Mills Excavating Sarnia, Ontario	\$377,707.98
Henry Heyink Construction Chatham, Ontario	\$379,480.00
Sherway Contracting (Windsor) Windsor, Ontario	\$387,774.07
Jemini Construction McGregor, Ontario	\$467,041.30
Marathon Drilling Co. Ltd Greely, Ontario	\$778,994.64
Terra Infrastructure London, Ontario	\$1,015,780.57

Thames Valley Engineering Incorporated has reviewed the tenders and advised that the tenders are complete in all respects. Delway Contractors construction tender is within line with the engineer's estimate of \$380,000.00

It is recommended that the Chatham-Kent PUC award Contract No. T06-152 to Delway Contractors Limited at the tender price of \$329,660.00, including GST and that the Chairperson and General Manager be authorized to complete the necessary agreements. The award of this project is subject to receipt of the appropriate approvals from the Ministry of the Environment.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

B. Economy-We are a prosperous community

B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

Desired Outcomes / Proposed Activities

- Advocate for essential provincial and federal investment and equitable tax policies to support financing and effective operation of sustainable transportation systems, water, sewer and waste management services.
- Support new infrastructure investments and modernize existing infrastructure.
- Maintain and improve the quantity and quality of ground and surface waters

The recommendations will not adversely impact the remainder of the Community Strategic Plan.

CONSULTATION

Thames Valley Engineering Inc. reviewed the tenders and a copy of their letter recommending the award of the tender is attached.

FINANCIAL IMPLICATIONS

The estimated cost of \$180,186.00 for a 200 mm waterline under the Thames River to loop into the existing water system on Longwoods Road will be allocated to the PUC. All other costs associated with the project will be recovered through assessment.

Prepared by:

Jeannie Medeiros
Technical Assistant/Projects Coordinator
Chatham-Kent PUC

Reviewed by:

Rob Bernardi, P.Eng
Facilities & Systems Manager Chatham-Kent PUC

Reviewed by:

Scott Praill, CET, B. Comm
General Manager
Chatham-Kent PUC

Reviewed by:

Gerry Wolting, B. Math, CA.
Acting Chief Administrative Officer

Moved by Commissioner Vercouteren and seconded by Commissioner Pinsonneault.

“That the tender in the amount of \$329 660.00 (including 6% GST) for the River Line Watermain extension, Contract T06-152 be awarded to Delway Contractors Limited.

The Chairperson and General Manager be authorized to complete the necessary agreements.”

Motion carried

d) Tender Award - Charing Cross Road Watermain Interconnect at Highway 401

Commissioner Faas excused himself from this report.

MUNICIPALITY OF CHATHAM-KENT

Public Utilities Commission

TO: PUC Chairperson and Commissioners
FROM: Jeannie Medeiros
Technical Assistant/Projects Co-ordinator, Chatham-Kent PUC
DATE: February 22, 2007
SUBJECT: Charing Cross Road Watermain Interconnect at Highway No. 401– Contract T06-196 – Tender Award
(Community of Harwich)

RECOMMENDATIONS

It is recommended that:

1. The tender in the amount of \$163,720.25 (including 6% GST) for the Charing Cross Road Watermain Interconnect at Highway No. 401, Contract T06-196 be awarded to Clarke Drainage.
2. The Chairperson and General Manager be authorized to complete the necessary agreements.

BACKGROUND

This project was originally listed as a project in the 2006 PUC capital budget. It is also included in the Water Capital Cash Flow Projection for 2007. The engineering firm of Todgham & Case Associates Inc. was retained in 2006 to complete the engineering design and construction administration. The engineering design along with liaison with the MTO was completed in 2006. The project went out for tender in January 2007.

The project follows the recommendation found in the "Chatham-Kent Water and Wastewater Master Plan Study, May 2000" of interconnecting the various water distribution systems within Chatham-Kent. The interconnection will provide redundancy in the event of a water crisis within the Chatham Distribution System or the South Chatham-Kent water distribution system by allowing the systems to feed water to one another if there is an issue within one of the systems.

The project would see the construction of a 300 mm diameter waterline on Charing Cross road for a distance of 457 metres across Highway 401.

An added benefit for the watermain connection project is that it will improve drastically the water pressure problems experienced by residents in the South Chatham area by moving the isolation point for South Chatham further north along Charing Cross Road.

The plan is to supply water from the South Chatham-Kent system to a section north of the Highway 401 to alleviate water supply issues south of Chatham. Along with pressure improvements, the water quality within this South Chatham area may improve as well.

COMMENTS

Todgham & Case Associates Inc. carried out the project engineering. The Purchasing Officer received and opened tenders for the contract on Tuesday, February 20, 2007.

A total of four (4) tenders were received and they are summarized in the following table:

Charing Cross Road Watermain Interconnect at Highway No. 401 Contract T06-196	
Tenderer	Tender Amount (including 6% GST)
G.W. Clarke Drainage Contractor Ltd. Blenheim, Ontario	\$163,720.25
Delway Contractors Limited Chatham, Ontario	\$212,000.00
Henry Heyink Construction Ltd. Chatham, Ontario	\$273,268.00
M.R. Dunn Contractors Ltd. Tecumseh, Ontario	\$297,648.00

Todgham & Case Associates Inc. has reviewed the tenders and advised that the tenders are complete in all respects. G.W. Clarke Drainage Contractor Ltd. construction tender is 36% below the engineer's estimate of \$256,907.00.

Todgham & Case Associates Inc. has discussed the low tender with the contractor and they are prepared to continue to honour their bid.

It is recommended that the Chatham-Kent PUC award Contract No. T06-196 to G.W. Clarke Drainage Contractor Ltd. at the tender price of \$163,720.25, including GST and that the Chairperson and General Manager be authorized to complete the necessary agreements. The award of this project is subject to receipt of the appropriate approvals from the Ministry of the Environment.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

B. Economy-We are a prosperous community

B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

Desired Outcomes / Proposed Activities

- Advocate for essential provincial and federal investment and equitable tax policies to support financing and effective operation of sustainable transportation systems, water, sewer and waste management services.
- Support new infrastructure investments and modernize existing infrastructure.
- Maintain and improve the quantity and quality of ground and surface waters

The recommendations will not adversely impact the remainder of the Community Strategic Plan.

CONSULTATION

Todgham & Case Associates Inc. reviewed the tenders and a copy of their letter recommending the award of the contract is attached.

FINANCIAL IMPLICATIONS

This project was originally listed as a project in the 2006 PUC capital budget. It is also included in the Water Capital Cash Flow Projection for 2007. All costs will be recovered through water/wastewater rates.

Prepared by:

Reviewed by:

Jeannie Medeiros
Technical Assistant/Projects Coordinator
Chatham-Kent PUC

Rob Bernardi, P.Eng
Facilities & Systems Manager Chatham-Kent PUC

Reviewed by:

Reviewed by:

Scott Praill, CET, B. Comm
General Manager
Chatham-Kent PUC

Gerry Wolting, B. Math, CA.
Acting Chief Administrative Officer

Moved by Commissioner Vercouteren and seconded by Commissioner Pinsonneault.

“That the tender in the amount of \$163,720.25 (including 6% GST) for the Charing Cross Road Watermain Interconnect at Highway No. 401, Contract T06-196 be awarded to Clarke Drainage.

The Chairperson and General Manager be authorized to complete the necessary agreements.”

Motion carried

e) Consultant Selection – Ridgeway Sewage Treatment Plant

MUNICIPALITY OF CHATHAM-KENT

PUBLIC UTILITIES COMMISSION

TO: PUC Chairperson and Commissioners

FROM: Rob Bernardi, P. Eng.
Facilities & Systems Manager, Chatham-Kent PUC

DATE: February 22, 2007

SUBJECT: Consultant Selection for Engineering Services for the Ridgetown Wastewater Treatment Plant

RECOMMENDATIONS

It is recommended that:

1. **The Chatham-Kent Public Utilities Commission approve the selection of Associated Engineering Ltd. / Todgham & Case Associates Inc. as the consulting firm to provide engineering services for the Ridgetown Wastewater Treatment Plant project for the price of \$640,169 (excluding GST).**
2. **The Chairperson and the General Manager of the Chatham-Kent Public Utilities Commission be authorized to complete the necessary agreements with Associated Engineering Ltd. / Todgham & Case Associates Inc.**

BACKGROUND

The Municipality of Chatham-Kent is proposing to upgrade and expand the Ridgetown Sewage Treatment Lagoons in order to service current and future growth within the Community of Ridgetown. The current Sewage Treatment Lagoon System is in non-compliance with its Certificate of Approval (C of A). Limitations in storage capacity are also being experienced with the current treatment facility. In order to meet the current and future growth considerations for the Community of Ridgetown, the upgrade and expansion of the Ridgetown Sewage Treatment Lagoons is fundamentally necessary. The Municipality of Chatham-Kent is considering the replacement of the existing sewage treatment facility with a conventional sewage treatment plant capable of meeting the 20-year growth projections in the Community.

The current treatment facility is operating at approximately 85% to 90% on an average daily basis and is experiencing constraints in terms of its effluent discharge quality. As a result of the limitations in its hydraulic capacity, a minimal amount of additional growth will be permitted within the Community of Ridgetown prior to the need to implement a development freeze throughout the Community.

Over the past several years, improvements to the original Sewage Treatment Lagoon Facility were undertaken through the introduction of an intermittent sand filtration process and aerated lagoon facility to help sustain and improve on the overall performance of the treatment facility. At the time, the anticipation by the Municipality was that inevitably a complete upgrade and expansion of the Sewage Treatment Lagoons would be necessary in order to sustain continued growth within the community of Ridgetown.

In the event that no further works of improvement are undertaken on the Ridgetown Sewage Treatment Lagoons, the Municipality may risk severe financial consequences that will be levied by the Ministry of the Environment for non-compliance with its current C of A. In addition, the Municipality has a possibility of dealing with severe economic losses as a result of restrictive growth within the Community. Health and quality-of-life within the community of Ridgetown will also be at risk. There is a fundamental and operational need to proceed with significant improvements to the current treatment facility in the community of Ridgetown. The current estimated capital cost of this undertaking is \$10 million. Under the COMRIF program, only \$8 million are eligible costs which deal with upgrading. Costs associated with expanding for future growth are ineligible under the COMRIF program and would be carried by the PUC (approx. \$2 million).

The Ridgetown project was included as one of the three projects in the Canada-Ontario Municipal Rural Infrastructure Fund (COMRIF) Intake Three Application submitted by the Municipality of Chatham-Kent in September 2006. The other two projects not successful in COMRIF funding were the:

- Wallaceburg Water Treatment Plant wastewater treatment project
- Thamesville Water Pollution Control Plant upgrade project

On January 10, 2007, the Federal and Provincial Governments announced that the COMRIF Intake Three Program will invest a total of \$5,333,332 towards eligible costs for the upgrade of the Ridgetown Wastewater Treatment Plant. The eligible cost for the COMRIF program is \$8 million and is associated with expenses for upgrading, not due to growth. The funding amounts to two-thirds of \$8 million (two-thirds equals \$5,333,332). Ineligible expenses include costs to expand for future growth.

After the announcement was made, the Chatham-Kent Public Utilities Commission (PUC) issued a request for proposal (RFP) to six consulting engineering firms to provide engineering services for the Ridgetown Wastewater Treatment Plant Project. The following is the list of consulting engineering firms that were requested to submit detailed proposals:

1. Associated Engineering Ltd.
2. CH2M HILL Canada Limited
3. Dillon Consulting Limited
4. Stantec Consulting Limited
5. Todgham & Case Associates Inc.
6. Totten Sims Hubicki Associates (TSH)

The detailed proposals were evaluated as per the "Policy for Consultant Selection in Chatham-Kent." The proposal review committee consisted of the:

- Senior Level Advisor, Chatham-Kent PUC
- Facilities & Systems Manager, Chatham-Kent PUC
- Area Supervisor - South, Chatham-Kent PUC
- Project Manager, Engineering & Traffic Division, Infrastructure & Engineering Services

COMMENTS

The first step in this project is to perform a proper Municipal Class Environmental Assessment (Class EA) for a Schedule 'C' project. The Class EA is to be conducted in order to define the problem within the community of Ridgetown as well as establish a preferred solution to the problem. Consulting engineers are required for this undertaking and therefore Request for Proposals (RFP) needed to be issued. For the RFP process, the scope of work was put together so that consulting engineering firms could have a basis to submit a proposal and quote on (see attached).

Consulting engineering firms were asked to submit detailed proposals as set out in the RFP and Addendum to the RFP (see attached). Of the six consulting engineering firms that were asked to submit a proposal, CH2M HILL Canada Limited, Stantec Consulting Limited, and Totten Sims Hubicki Associates choose not to submit a proposal. Associated Engineering Limited choose to partner with the local firm of Todgham & Case Associates inc.

The proposals were submitted in two parts: a technical proposal and a fee proposal. The review committee prior to reviewing the fee proposals evaluated the technical proposals. The committee reviewed the proposals based on the "Policy for Consultant Selection in Chatham-Kent" which not only rates price but also other criteria in categories such as experience and qualifications of project team, management qualifications and project implementation. The fees submitted by the firms were very competitive. The prices from the fee proposals are listed in the table below.

Summary of Consultant Fees	
Associated Engineering Ltd./ Todgham & Case Associates Inc.	Dillon Consulting Limited
\$640,169	\$1,054,000

The evaluation criteria and scoring matrix to be used was included in the RFP sent to all firms (see attached). The review committee members evaluated each proposal (technical and fee) individually and their scores were averaged for both consultants. The table below summarizes the scoring.

Scoring Summary from Evaluation Matrix	
Associated Engineering Ltd. / Todgham & Case Associates Inc.	Dillon Consulting Limited
1212.75	1122.25

The consultant scoring the highest mark would be the preferred choice. As shown in the table, Associated Engineering Ltd. / Todgham & Case Associates Inc. scored the highest points.

From discussions the review committee had after the individual evaluations, it was highlighted that Associated Engineering Ltd. / Todgham & Case Associates Inc. submitted a more detailed and thorough proposal. Team members have worked on similar projects in the past. They presented a very detailed analysis of deliverables for the project. Along with a very good technical proposal, Associated Engineering Ltd. / Todgham & Case Associates Inc. submitted the lowest fee for the engineering services.

Therefore, it is recommended that the Chatham-Kent Public Utilities Commission approve the selection of Associated Engineering Ltd. / Todgham & Case Associates Inc. as the consulting firm to provide engineering services for the Ridgetown Wastewater Treatment Plant project for the price of \$640,169 (excluding GST).

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic direction:

B. Economy - We are a prosperous community

B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

C. Environment – We are a green community

C2: Establish standards for environmental excellence

Desired Outcomes / Proposed Activities

- Advocate for essential provincial and federal investment and equitable tax policies to support financing and effective operation of sustainable transportation systems, and water, sewer and waste management services
- Support new infrastructure investments and modernize existing infrastructure
- Maintain and improve the quantity and quality of ground and surface waters
- Increase the number of homes, businesses and farms on municipal water and sewage

The recommendations will not adversely impact the remainder of the Community Strategic Plan.

CONSULTATION

The Senior Level Advisor of Chatham-Kent PUC, Area Supervisor – South for the Chatham-Kent PUC, Facilities & Systems Manager of Chatham-Kent PUC, and the Project Manager of Engineering & Traffic evaluated the consultant proposals. The evaluation process scoring and comments have been included in this report.

FINANCIAL IMPLICATIONS

The costs of engineering fees and capital costs for this project has been included in the two-thirds COMRIF Intake Three funding that will be given to the Municipality of Chatham-Kent. Therefore, approximately two-thirds of the engineering fees (\$426,779) will be covered under the COMRIF program. The remaining one-third of this fee (\$213,390) will be budgeted and approved in the Chatham-Kent PUC 2007 Water & Wastewater Budget under the proposed Ridgetown Wastewater Treatment Plant project valued at \$10 million.

Engineering Cost Distribution	
COMRIF	\$426,779
PUC	\$213,390
Total Engineering Costs	\$640,169

The entire engineering services costs will be distributed through to January 2010 (warranty period is one year from proposed construction completion of January 2009). The majority of the engineering costs will be incurred in 2007 and 2008.

Prepared by:

 Rob Bernardi, P. Eng.
 Facilities & Systems Manager
 Chatham-Kent PUC

Reviewed by:

 Jack Sonneveld
 Senior Level Advisor
 Chatham-Kent PUC

Reviewed by:

 Scott Praill, CET, B. Comm.
 General Manager
 Chatham-Kent PUC

Reviewed by:

 Gerry Wolting, B. Math., CA
 Acting CAO

Moved by Commissioner Faas and seconded by Commissioner Pinsonneault.

“That the Chatham-Kent Public Utilities Commission approve the selection of Associated Engineering Ltd. / Todgham & Case Associates Inc. as the consulting firm to provide engineering services for the Ridgetown Wastewater Treatment Plant project for the price of \$640,169 (excluding GST).

The Chairperson and the General Manager of the Chatham-Kent Public Utilities Commission be authorized to complete the necessary agreements with Associated Engineering Ltd. / Todgham & Case Associates Inc.”

Motion carried

f) Bothwell Sanitary Sewers

MUNICIPALITY OF CHATHAM-KENT
PUBLIC UTILITIES COMMISSION

TO: PUC Chairperson and Commissioners
FROM: Rob Bernardi, P. Eng.
Facilities & Systems Manager, Chatham-Kent PUC
DATE: February 22, 2007
SUBJECT: Bothwell Sanitary Sewers Project - Decision by Minister of the Environment on Part II Order Requests

RECOMMENDATIONS

It is recommended that:

1. **The Mayor write a letter to the Provincial Government to ask for financial assistance for the property owners included in the Bothwell Sanitary Sewer Project.**
2. **Administration investigate the next steps and financial impact on both the project delays to date as well as on the conditions imposed by the Minister of the Environment.**

BACKGROUND

As part of the directions in the *Municipality of Chatham-Kent Water and Wastewater Master Plans Study*, The Chatham-Kent Public Utilities Commission (PUC) in November 2003, issued a Request for Proposals (RFP) to select engineering consulting firms to submit a proposal on conducting a Municipal Engineers Association (MEA) Class Environmental Assessment (Class EA) on proposed sanitary servicing for the Community of Bothwell. If the study showed sewers were required, the scope of work would also include services such as detailed design, construction administration, and monitoring post-construction.

At the regular PUC Commission meeting in February 2004, the engineering consulting firm of Earth Tech Canada Inc. was selected to provide engineering services for the proposed Bothwell Sanitary Sewer Project. Earth Tech achieved the highest scoring and lowest cost during the consultant selection process.

The project was initiated in April 2004 by reviewing the background of the area and collecting data. Phase 1 which involves identifying the problem, indicated that contamination was occurring in the storm drains and ditches and the probable source is failing septic systems within the community of Bothwell.

The first public consultation took place on June 30th, 2004 in Bothwell. During the periods of July to December 2004 development of alternative solutions was conducted, refinement of costing of preferred alternatives took place, and a preliminary design report was prepared. In December 2004 and January 2005 a funding application was prepared for the Canada-Ontario Municipal Rural Infrastructure Fund (COMRIF). The Bothwell project was one of the 10 projects in Chatham-Kent in which funding had been applied for. The second public consultation took place on February 16, 2005 in Bothwell in which Earth Tech presented the preferred solution to the contamination problem.

At its regular meeting on March 24, 2005, the Chatham-Kent PUC approved the Environmental Study Report (ESR) document so that it could be placed on display for public review for the required 30-day review period. To allow the public enough time to review the ESR document, the Chatham-Kent PUC lengthened the 30-day review period due to a request from Bothwell residents.

During the mandatory review period appeals were sent to the Minister of the Environment for a Part II Order. The Chatham-Kent PUC took time to consult with the Concerned Citizens of Bothwell group in an attempt to address the concerns raised in their Part II Order request, dated April 28 and May 20, 2005. Discussions between the Chatham-Kent PUC and the public took place to try and resolve the concerns as well as a public presentation which was held by the Concerned Citizens of Bothwell on May 26, 2005 with PUC staff and Municipal Councilors in attendance. The discussions did not result in the withdrawal of the Part II Order request so therefore the Ministry resumed its review.

The Ministry has been reviewing the request since July 22, 2005. Correspondence between the Ministry and the PUC took place to provide them with additional information they required for the Minister's review during the course of time since July 22, 2005. Also, various Ministry staff changed job positions since the summer of 2005 which may have been a reason for the prolonged review.

COMMENTS

On January 24, 2007 the Minister of the Environment issued a letter to the Chatham-Kent PUC (see attached) to inform us that a decision has been made that an individual environmental assessment is not required. The Minister has also sent letters to the two persons that sent in an appeal (also attached). Even though Chatham-Kent has demonstrated that it has planned and developed this project in accordance with the provisions of the Class EA, the Minister has imposed a number of conditions on the project that are to be fulfilled. The imposed conditions are listed in the attached Minister's letter.

The imposed conditions on the project will have additional costs associated with project completion. Capital costs estimates in 2007 or 2008 dollars will also be higher than the cost estimates presented at the public meeting on February 16, 2005. Estimated capital costs for the entire project including consultant costs incurred to date to deal with MOE inquires will have to be revised. As such it is also recommended that administration investigate the next steps and financial impact on both the project delays to date as well as on the conditions imposed by the Minister of the Environment.

Of great importance and understanding the economical hardships for the property owners within the Community of Bothwell, efforts will be made to investigate other funding opportunities. Therefore, it is recommended that the Mayor write a letter to the Provincial Government to ask for financial assistance for the property owners included in the Bothwell Sanitary Sewer Project.

COMMUNITY STRATEGIC PLAN

The recommendations in this report support the following objectives and strategic directions:

B. Economy - We are a prosperous community

B3: Maintain and enhance new and existing infrastructure to support economic and smart growth opportunities

C. Environment – We are a green community

C2: Establish standards for environmental excellence

Desired Outcomes / Proposed Activities

- Advocate for essential provincial and federal investment and equitable tax policies to support financing and effective operation of sustainable transportation systems, and water, sewer and waste management services
- Support new infrastructure investments and modernize existing infrastructure
- Maintain and improve the quantity and quality of ground and surface waters
- Increase the number of homes, businesses and farms on municipal water and sewage
- Provide an efficient and adequate wastewater treatment system to meet the needs of the growing community by maintaining high quality sewer utilities.
- Support new infrastructure investments and modernize existing infrastructure.
- Provide increased economic and growth opportunities.

The recommendations will not adversely impact the remainder of the Community Strategic Plan.

CONSULTATION

The General Manager of Chatham-Kent PUC and Senior Level Advisor of Chatham-Kent PUC comments have been included in this report. Earth Tech Canada Inc. were consulted in the preparation of this report.

FINANCIAL IMPLICATIONS

There are no financial implications resulting from the recommendations in this report.

Prepared by:

Rob Bernardi, P. Eng.
Facilities & Systems Manager
Chatham-Kent PUC

Reviewed by:

Reviewed by:

 Scott Praill, CET, B. Comm.
 General Manager
 Chatham-Kent PUC

 Gerry Wolting, B. Math., CA
 Acting CAO

Commissioner Parsons arrived.

Moved by Commissioner Faas and seconded by Commissioner Parsons.

“That the Mayor write a letter to the Provincial Government to ask for financial assistance for the property owners included in the Bothwell Sanitary Sewer Project.

Administration investigate the next steps and financial impact on both the project delays to date as well as on the conditions imposed by the Minister of the Environment.”

Motion carried

g) 2007 Water and Wastewater Budget

**MUNICIPALITY OF CHATHAM-KENT
Public Utilities Commission**

TO: PUC Chairperson and Commissioners

FROM: Scott Praill
General Manager, Chatham-Kent PUC

DATE: February 17, 2007

SUBJECT: 2007 Water and Wastewater Budgets

RECOMMENDATIONS:

It is recommended that:

1. The 2007 Water & Wastewater Operating and Maintenance Budgets be approved.
2. The Long Term Capital Expenditure Plan, subject to an annual review by the Commission, be approved.
3. The Corporation of the Municipality of Chatham-Kent be authorized to borrow monies as required towards the issuance and sale of debentures for Capital Projects.
4. \$50,000 be set aside in 2007 in the Insurance Claims Reserve Fund for Water and Wastewater Services.
5. The contribution of \$1,600,000 to the Sanitary Sewer Lifecycle Replacement Reserve Fund for 2007 be approved.
6. The contribution of \$200,000 to the Watermain Lifecycle Reserve Fund for 2007 be approved.
7. The purchase of the following equipment from the PUC Water/Wastewater Vehicle Reserve Fund at an estimated cost of \$180,000.00 be approved:
 - ◆ three (3), full size, extended cab pick-up trucks, (\$95,000)
 - ◆ one (1), full size extended cab 4x4 pick-up (\$40,000)
 - ◆ one used dump truck (\$10,000)
 - ◆ one small loader tractor/lawnmower (\$20,000)
 - ◆ three roll-out boxes and caps for pick-up trucks (\$15,000)

BACKGROUND:

The Chatham-Kent Public Utilities Commission (PUC) has completed a very aggressive schedule for upgrading the water and wastewater treatment plants as well as the water distribution and wastewater collection systems throughout Chatham-Kent.

Water & Wastewater Services continues meeting and exceeding the legislated requirements for treating water and wastewater.

The PUC has commenced working on the new "Drinking Water Quality Management Standards" in 2006. The tentative date for submission of the completed standards is September 2008. The completion of the mandated operational manuals will require a significant commitment of the water & wastewater staff for the next 18 months.

Pages A1-A6 provide the summary details of the budget by expense and by area for Commission information.

COMMENTS:

Operating & Maintenance Budgets:

The proposed 2007 operating and maintenance budgets, as well as the approved budget for 2006 are summarized in the following table:

2006-2007 Budget Comparison			
	2006 proposed	2007 proposed	% change
Water:			
O&M Expenditures	\$10,015,148	\$11,059,582	+10%
Watermain "Lifecycle" replacement	\$1,200,000	1,200,000	0
Watermain "Lifecycle" reserve	\$200,000	\$200,000	0
Debt related expenditures	\$4,644,495	\$4,460,381	-3.97%
Revenue	\$15,433,219	\$16,511,442	+6.98%
Transfer from DC/Part XII Reserves	(\$1,285,240)	(\$1,650,341)	
(Surplus)/Deficit	(\$658,816)	(\$1,228,820)	
Wastewater:			
O&M Expenditures	\$6,086,908	\$6,903,641	+13.41%
Sanitary Sewer "Lifecycle" contribution	\$1,250,000	\$1,600,000	+28%
Debt related expenditures	\$3,377,229	\$2,577,752	-23.68%
Revenue	\$10,141,574	\$10,847,666	+6.96%
Transfer from DC/Part XII Reserves	(\$690,948)	(\$691,142)	
(Surplus)/Deficit	(\$118,385)	(\$457,415)	

Budget Impacts:

A number of significant issues may impact the total expenditures and they are summarized as follows:

Allocated Costs:

The proposed 2007 Water/Wastewater Budgets include various costs that are allocated to the PUC. Detailed Service Level Agreements for the various services are being prepared.

The annual payments for allocated costs included in the budget are summarized in the following table:

Allocated Costs Summary			
	Water	Wastewater	Total
Accounting, Finance	\$116,480	\$49,920	\$166,400
Information Technology	\$24,772	\$10,617	\$35,389
Human Resources	\$31,201	\$13,372	\$44,573
Payroll Services	\$8,628	\$3,698	\$12,325
Legal Services	\$8,750	\$3,750	\$12,500
Call Centre	\$2,000	\$0	\$2,000
Engineering Services (IES)	\$175,000	\$125,000	\$300,000
AM/FM (W & WW share)	\$335,000	\$145,000	\$480,000
Public Works (IES)	\$1,865,0509	\$580,250	\$2,445,300
Municipal Taxes	\$362,812	\$363,230	\$726,042
Total Municipal Allocations	\$2,929,693	\$1,294,836	\$4,224,529
C-K Utility Services	\$1,050,000	\$580,000	\$1,630,000
TOTAL	\$4,171,524	\$1,956,192	\$6,127,716

Life-Cycle Reserve Contributions:

The Water and Wastewater Rate Report completed in 2001 recommended that the PUC adopt a policy of setting aside funds for the future replacement of water and sanitary sewer infrastructure.

Sewers:

The contribution to the Sanitary Sewer Life-Cycle Reserve for replacement and upgrading of the existing infrastructure has been increased by \$350,000 for 2007.

The existing sanitary sewer system will require approximately \$17.8 million in lifecycle replacements during the next twenty (20) years. It is recommended that \$1,600,000 be allocated to the Sanitary Sewer Lifecycle Reserves account in 2007. The estimated Sanitary Sewer Lifecycle balance at December 31, 2006 is \$2.5 million

This is consistent with the recommendations contained in the Water/Wastewater Rate Report, which recommended a phasing of increases to an annual contribution of \$2,173,868 by 2008.

Water:

The 2001 Water and Wastewater Rate Report reviewed the watermain lifecycle replacement requirements. It was recommended that \$6.6 million be replaced immediately with an additional \$2.7 million being replaced over the next twenty (20) years.

In order to meet the recommended immediate replacement plans, the PUC is completing in excess of \$1.2 million in waterline upgrading/replacements on an annual basis.

The PUC also approved the establishment of a Watermain Lifecycle Reserve Account in 2003 for future projects. It is recommended that \$200,000 be set aside again in 2006. The estimated Watermain Lifecycle Reserve balance at December 31, 2006 is \$500,000.

Water Distribution Maintenance (IES):

Administration has met with Public Works to make the necessary changes to the Service Level Agreement for water distribution system maintenance to meet the Ministry of the Environment requirements, as well as the increased valve and system maintenance that the PUC has requested.

The increased cost estimate for IES water distribution maintenance is \$276,786 for 2007

Sanitary Sewers Maintenance (IES):

Administration has met with Public Works to make the necessary changes to the Service Level Agreement for sanitary sewer system maintenance to meet the Ministry of the Environment requirements, as well as the increased service level and system maintenance that the PUC has requested. These costs include more system cleaning and flushing.

The increased cost estimate for IES sanitary sewer maintenance is \$107,350 for 2007

Water & Wastewater Services Staffing:

The total staff numbers, include 45 unionized staff, 7.6 administrative staff and 3 contract positions for a total of 55.6 FTE's. There are no proposed staffing level changes proposed for 2007.

Administration is proceeding with the implementation of the Succession Plan that was presented to the PUC in 2006. A contract staff person will be utilized to assist with completing the mandated operation and maintenance manuals for the water and wastewater facilities.

The total staff numbers, include 45 unionized staff, 7.6 administrative staff and 3 contract positions for a total of 55.6 FTE's. The annual payroll cost for water and wastewater services, included in the 2007 Budget, is \$4,536,457. This amount includes regular wages, overtime, standby, OMERS and other benefits.

Hydro:

The water and wastewater operating budgets include \$1,655,169 for hydro costs for the treatment facilities, pumping stations and storage facilities.

Administration will also be reviewing energy conservation programs and cogeneration projects to reduce future hydro costs.

Chemicals:

The costs associated with the various chemicals used in the production of potable water and the treatment of wastewater are summarized in the following table:

Chemicals			
Chemical:	Water	Wastewater	Total
Chlorine	\$125,750.00	\$ 54,500.00	\$180,250.00
Alum	\$187,500.00	\$ 20,000.00	\$207,500.00
Flouride	\$ 20,500.00	\$ 0	\$ 20,500.00
General chemicals	\$ 34,750.00	\$ 22,925.00	\$ 57,675.00
Phosphorus chemicals	\$ 30,000.00	\$129,500.00	\$159,500.00
Sludge chemicals	\$ 5,000.00	\$ 40,500.00	\$ 45,500.00
Total	\$403,500.00	\$267,425.00	\$670,925.00

Watermain Lifecycle Projects:

The water main program for 2007 includes the replacement of an estimated \$1.25 million of lifecycle replacements. The proposed 2007 waterline replacement projects are summarized in the following table:

Chatham - Kent PUC		
2007 Lifecycle Waterline Replacement Program (\$,000)		
Chatham	w/m ext. Heritage Rd. for looping (Riverview-to South)	\$33
	w/m repl. Tecumseh Rd. (Robertson-Crystal)	\$175
	w/m repl. Buckingham Av. (Tecumseh-King)	\$75
	w/m repl. Phyllis Av. Tecumseh-King)	\$65
	w/m repl. McNaughton Ave (Monarch to Michener)	\$190
Dresden	w/m repl./incr. Camden St. (St.George-Talbert)	\$138
Ridgetown	w/m repl./incr. King St. (David-George)	\$60
	w/m repl./incr. King St. (George -Main)	\$95
Wallaceburg	w/m repl./incr. Napier St. (Park-Mary)	\$78
	w/m repl. Running Creek Dr. (Brander Av-Jeanne St)	\$133
Tilbury	w/m repl. Elm St. (Superior-Prospect)	\$33
Wheatley	Talbot Road (Victoria to West Townlimits) Phase 3	\$175
Annual Totals:		\$1,250

A copy of the proposed Long Term Waterline Replacement Projections is attached for information (A15) and will be updated on an annual basis.

Sanitary Sewer- Lifecycle Projects:

The following table of proposed sanitary sewer lifecycle projects for 2007 is funded from the Sanitary Sewer Life-Cycle Reserve:

Sanitary Sewer Lifecycle Projects		
Community:	Project Description:	Est. cost:
Blenheim	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 18,000.00
Chatham	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 122,400.00
	PROJECT - Tecumseh Road Reconstruction	\$ 325,000.00
	PROJECT - Tecumseh Park Area Sewer Separation Study	\$ 50,000.00
	PROJECT - Forsythe Street	\$ 50,000.00
	PROJECT - Keil Drive at Park - Flow Monitoring	\$ 100,000.00
Dresden	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 12,000.00
Ridgetown	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 15,600.00
	PROJECT - Morgan Street and West Street Sewers	\$ 295,000.00
Tilbury	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 18,000.00

	PROJECT - Rose Beach Subdivision - Review of P.S.	\$ 40,000.00
	PROJECT - Rose Avenue Subdivision Area – Manholes	\$ 80,000.00
Thamesville	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 6,000.00
Wallaceburg	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 34,800.00
	PROJECT - Napier and Dundas Subdivision Area – MH's	\$ 60,000.00
Wheatley	Combined and Sanitary Sewer Flushing, Smoke Testing	\$ 13,200.00
	ANNUAL TOTALS	\$1,240,000.00

A copy of the proposed Long Term Sanitary Sewer Lifecycle Maintenance and Replacement Projections is attached for information (A-16) and will be updated on an annual basis.

Vehicles:

The Chatham-Kent PUC currently has 50 vehicles, including pick-up trucks, dump trucks, trailers and tractors. The estimated replacement value is \$1.6 million. The annual cost for the PUC fleet is \$335,000. The budget allocation includes costs for license, fuel, repairs, insurance and capital fleet reserves for replacements.

The projected Water & Wastewater Fleet Reserve balance is \$350,000 at December 31, 2006.

Administration is recommending that the following equipment be replaced in 2007 at an estimated cost of \$180,000:

- A replacement used dump truck for the Chatham WPCP -\$10,000
- Replace two (2) pickup trucks (1995 Chev. With 252,000 km and a 2000 Ford with 225,000 km). An extra PU is also required for the South Area- 3 ext. cab pick-ups \$95,000.
- Replace 1 2000 Ford pickup truck (206,411 km.) with a 4x4 ext. cab PU – est. cost \$40,000
- 3 roll-out boxes and caps for safety and confined space equipment \$ 15,000
- 1 - small loader tractor/lawnmower for the Tilbury WPCP -\$20,000

Insurance:

The Chatham-Kent PUC Liability Insurance coverage is provided by the Frank Cowan Company. The liability coverage provides for \$15 million with a \$100,000 deductible. The insurance costs for the PUC are summarized as follows:

Water & Wastewater Insurance Costs			
	Water	Wastewater	Total
Boiler & machinery	\$11,280	\$9,400	\$20,680
General building	\$13,890	\$16,890	\$30,736
Building –other	\$1,000	\$25	\$1,025
Liability insurance	\$20,000	\$25,000	\$45,000
Total	\$46,170.00	\$51,315.00	\$97,441.00

Administration recommended setting up an Insurance Reserve Fund in 2001 and funds have been set aside annually. The estimated Insurance Reserve balance at December 31, 2006 is \$150,000.

It is recommended that \$50,000 be set aside again in the 2007 in the Water Wastewater Insurance Risk Reserve Fund (0278-1755).

Major Maintenance (Plant, Grounds and Equipment):

The proposed significant expenditures for major maintenance, \$373,600 for water and \$327,600 for wastewater are detailed in attachments A-7 – A-11. The types of significant maintenance items include repair and replacement of pumps, motors and control systems.

Capital Expenditures:

The proposed major capital expenditures for the period 2006 to 2012 are summarized in the attached Capital Cash Flow Projections (A17-A-19). The 2007 capital projects are summarized as follows:

Water:

The majority of the proposed capital expenditures for water projects will be funded from the General Water Reserves and debentures. The projects include:

- Construction of the new elevated water tower to replace the existing Tilbury elevated water storage tank.
- Completion of the back wash water/residuals treatment at the Wallaceburg Water Treatment Plant.
- Complete the upgrading of the water supply, and well integrity for the Ridgeway Water Supply.

- Construction of the interconnection between the South Water System and the Chatham Water System at Charing Cross Road and the 401.
- The construction of the Thames River crossing for the Chatham Water System.

Wastewater:

The proposed capital expenditures for wastewater projects will be funded by debentures and include:

- Construction of the sanitary sewers and treatment for the community of Bothwell.
- Construction of a pump station and sanitary sewer on Queen's Line East in the community of Tilbury.
- Construction of a new mechanical sewage treatment plant for the community of Ridgetown.
- South Lynnwood Estates sewage servicing.

SUMMARY:

It is recommended that the PUC approve the proposed 2007 Operating and Maintenance Budget and the Multi Year Capital Cash Flow Projections. It is also recommended that Chatham-Kent Council be authorized to borrow monies as required towards the purchase by the issuance and sale of debentures for the capital projects.

The Multi-Year Capital Cash Flow Plan will be updated and submitted to the PUC on an annual basis.

CONSULTATIONS:

The Infrastructure and Environmental Services Department prepared the 2007 information for water distribution and sanitary sewer system maintenance. The PUC Area Managers provided the information and costs associated with the facility/equipment maintenance.

FINANCIAL IMPLICATIONS:

The recommended 2007 Water & Wastewater Budgets and Capital Expenditures will continue to provide Chatham-Kent residents with the highest quality service at a reasonable cost into the future.

Prepared by:

Jack Sonneveld
Senior Level Advisor,
Chatham-Kent PUC

Reviewed by:

Scott Praill, C.E.T., B.Comm.
General Manager,
Chatham-Kent PUC

Reviewed by:

Gerry Wolting, B.Math., CA
Acting CAO, Chatham-Kent

Moved by Commissioner Faas and seconded by Commissioner Vercouteren.

“That the 2007 Water & Wastewater Operating and Maintenance Budgets be approved.

The Long Term Capital Expenditure Plan, subject to an annual review by the Commission, be approved.

The Corporation of the Municipality of Chatham-Kent be authorized to borrow monies as required towards the issuance and sale of debentures for Capital Projects.

\$50,000 be set aside in 2007 in the Insurance Claims Reserve Fund for Water and Wastewater Services.

The contribution of \$1,600,000 to the Sanitary Sewer Lifecycle Replacement Reserve Fund for 2007 be approved.

The contribution of \$200,000 to the Watermain Lifecycle Reserve Fund for 2007 be approved.

The purchase of the following equipment from the PUC Water/Wastewater Vehicle Reserve Fund at an estimated cost of \$180,000.00 be approved:

- ◆ **three (3), full size, extended cab pick-up trucks, (\$95,000)**
- ◆ **one (1), full size extended cab 4x4 pick-up (\$40,000)**
- ◆ **one used dump truck (\$10,000)**
- ◆ **one small loader tractor/lawnmower (\$20,000)**
- ◆ **three roll-out boxes and caps for pick-up trucks (\$15,000)**

Motion carried

h) Policy & Procedures

Moved by Commissioner Vercouteren and seconded by Commissioner Faas to defer this report to the next Regular PUC Commission Meeting.

6. INFORMATION

a) ORO (Overall Responsible Operators)

MUNICIPALITY OF CHATHAM-KENT
Public Utilities Commission

“INFORMATION REPORT”

TO: PUC Chairperson and Commissioners

FROM: Robin Dudley
Supervisor, Environmental Monitoring & Compliance
Chatham-Kent Public Utilities Commission

DATE: February 22, 2007

SUBJECT: Overall Responsible Operator(s) and Operator(s) in
Charge Designation for Chatham-Kent water Systems

Information for the Commission

BACKGROUND

Due to pending staff retirements and staff relocation, the Public Utilities Commission is required to update the Overall Responsible Operator (s) and Operator(s) in Charge Status.

COMMENTS

In order to comply with O.Reg.128/04 the Ministry of the Environment requires the Chatham-Kent Public Utilities Commission provide the following documentation:

1. The designated Overall Responsible Operators as per O. Reg.128/04 section 23(1).
2. Alternate Overall Responsible Operators as per O. Reg.128/04 section 23(4).
3. The designated Operator(s)-in-Charge as per O. Reg.128/04 section 25(1).

CONSULTATIONS

No others have been consulted.

FINANCIAL IMPLICATIONS

There will be no financial impacts resulting from procedure.

Prepared by:

Reviewed by:

Robin Dudley,
Supervisor, Environmental Monitoring,
Chatham-Kent PUC

Scott Prail, C.E.T., B. Comm.
General Manager,
Chatham-Kent PUC

Reviewed by:

Gerry Wolting, B. Math, CA.
(Acting) Chief Administrative Officer
Municipality of Chatham-Kent

- b) Chatham Daily News Articles
- c) Source Water Protection Funding

MUNICIPALITY OF CHATHAM-KENT

PUBLIC UTILITIES COMMISSION

“INFORMATION REPORT”

TO: PUC Chairperson and Commission Members

FROM: Robin Dudley
Supervisor, Environmental Compliance and Monitoring

DATE: February 16, 2007

SUBJECT: Source Water Protection Funding for Ground Water Studies

Information Report for the Commission

BACKGROUND

The Ontario government has recently passed the Clean Water Act, 2006 for the purpose of protecting drinking water at its source. As part of the Act, source protection plans are being developed across Ontario. In preparation for the implementation of the Act, the Ontario Ministry of the Environment is funding technical studies to facilitate the development of assessment reports whose results would be used to develop source protection plans.

The Municipality of Chatham-Kent partnered with the Lower Thames River Conservation Authority, Upper Thames River Conservation Authority and the Thames, Sydenham and Region Source Protection Region to submit a grant application on December 15th, 2006 for \$200,710 to carry out technical studies to further the protection of municipal drinking water systems.

The proposal was specific to three municipal ground water systems within the Municipality of Chatham-Kent. These systems include those for the communities of Ridgetown, Highgate and the Clearville trailer complex.

On February 15th 2007 the Ministry on the Environment announced that Chatham-Kent funding proposal was awarded \$105,000 to carry out source protection technical studies.

COMMENTS

The funding request that was submitted for the Ridgetown, Highgate and Clearville municipal systems is required for the investigation of the following:

- Capture Zone Modeling
- Vulnerability Zone & Score Mapping
- Threats and Issues
- Hazard Rating
- Tier 1 Risk Assessment

The following is the proposed timetable for the completion of the technical studies:

Project Milestones	Completion Date
Wellhead Capture Zone Identification	August 30, 2007
Vulnerability Mapping	September 30, 2007
Threats Inventory/Issues Evaluation	November 30, 2007
Draft Report	December 30, 2007
Final Report	February 28, 2008

The following is a brief description of each well field:

Ridgetown Water Supply System

The Ridgetown system is totally dependant upon groundwater supplied from two separate wellfields: the Erie Wellfield and the Scane Wellfield. All of the wells in both fields are at depths in excess of 100 feet below ground. This regional aquifer unit is covered by a thick sequence of glacial tills and clays.

The Erie Field, located along the western edge of Ridgetown, consists of four wells, ranging in production up to 250 gallons per minute. All water pumped from the wells travels via dedicated transmission main to the Erie Street storage and treatment facility, where methane is removed and water chlorinated. From this facility the water is pumped to the main storage reservoir for distribution.

The Scane Field is located approximately 2 km southwest of Ridgetown along Scane road. The field consists of four wells, ranging in production up to 125 gallons per minute. All water pumped from the wells is collected at an on-site storage and treatment facility where methane is removed and chlorine is added. From the treatment facility the water is pumped via distribution main to the main storage reservoir.

Highgate Water Supply System

The Highgate system is totally dependant upon groundwater supplied from two wells located at a single site. Both wells are at depths in excess of 100 feet below the ground. This regional aquifer unit is covered by a thick sequence of glacial tills and clays. The well water is pumped to a central processing facility where methane is removed and chlorine added. The water is then distributed to approximately 150 homes within the community.

Clearville Water Supply System

The Clearville system supplies a seasonal trailer park and Boy Scout camp near Morpeth. It is operated by the PUC under direction of the Health Unit, under O.Reg 252/05, as a small municipal non-residential system. The system consists of a single pumping well, that during the operating season, pumps approximately 50 m3/day.

CONSULTATIONS

The Chatham-Kent Planning Department, Dillion Consulting Limited and the Source Protection Project Manager assisted in the preparation of this report.

FINANCIAL IMPLICATIONS

With only \$105,000 of the \$200,710 being funded, the PUC has started communication with Chris Tasker the Source Protection Project Manager, Thames, Sydenham & Region, Darin Burr the Project Manager for Dillion Consulting and the Ministry of the Environment to determine how this project will be conducted.

Prepared by:

Robin Dudley
Supervisor,
Environmental Compliance and Monitoring

Reviewed by:

Scott Praill, CET, B.Comm.
General Manager
Chatham-Kent PUC

Reviewed by:

Gerry Wolting, B. Math, CA.
(Acting) Chief Administrative Officer
Municipality of Chatham-Kent

Moved by Commissioner Pinsonneault and seconded by Commissioner Faas.

“To receive the information.”

Motion carried

7. NEW BUSINESS

It was decided to hold plant/facility tours with the Regular PUC Commission Meetings to follow.

8. NEXT MEETING

The next PUC Commission meeting is scheduled for Thursday, March 22, 2007 at 3:00 PM for a tour of the Chatham Water Treatment Plant with the regular meeting to follow in the PUC Boardroom.

9. ADJOURNMENT

Moved by Commissioner Vercouteren and seconded by Commissioner Faas.

“That the Regular meeting be adjourned at 5:35 PM and to move In-Camera.”

Motion carried