



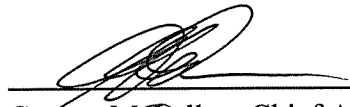
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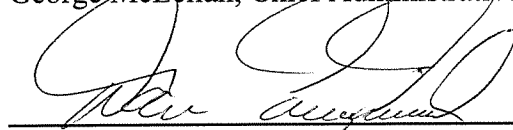
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Halifax Regional Council  
June 14, 2005

**TO:** Mayor Kelly and Members of Halifax Regional Council

**SUBMITTED BY:**

  
George McDellan, Chief Administrative Officer

  
Dan English, Deputy Chief Administrative Officer

**DATE:** June 8, 2005

**SUBJECT:** Consultant Award, Request For Proposal No. 05-326  
Eastern Passage Wastewater Management Plan - Eastern Region

### ORIGIN

Approved 2004/05 Capital Budget.

### RECOMMENDATION

It is recommended that Regional Council:

1. Award CBCL the engineering study and treatment plant pre-design for the Eastern Passage Wastewater Management Plan, for a total cost of \$458,258 including net HST.
2. Approve an additional \$62,057 including net HST to conduct additional flow gauging for an extended period as outlined in the Discussion section of this report.
3. Release this report as public information after approval by Council.

Funding for the above to come from Capital Account No. CGI00614, Eastern Passage WPCP Expansion, Eastern Passage. Funding is to be authorized as per the Budget Implications section of this report.

## **BACKGROUND**

In September 2003, HRM completed a comprehensive study of all Water Pollution Control Plants in HRM. The study indicated that the Eastern Passage Water Pollution Control Plant is nearing its capacity for treating average daily flows from within the existing service boundary. Also, the plant periodically experiences wet weather flows that exceed the plant's design capacity. Past practice was to design plants to treat dry-weather or average flows, which resulted in under-treatment or bypass of wet weather flows.

In addition to the concerns regarding the status of Eastern Passage Water Pollution Control Plant, there are also a number of other operational and compliance issues related to the wastewater collection system that require attention.

A number of local wastewater management plans have been completed or are in the process of being completed for a number of pumping station sub-sewersheds of Eastern Passage Water Pollution Control Plant. They include: Main Street, Quigley's Corner and Sherwood Drive. These were initiated to address specific concerns at a sub-sewershed level. The proposed Eastern Passage Wastewater Management Plan will build on this foundation with the goal of developing a comprehensive wastewater management plan at the level of the entire sewershed of Eastern Passage Water Pollution Control Plant.

The study area will include the areas within the existing Eastern Passage Water Pollution Control Plant service boundary. In addition, the study will also consider areas outside the current service boundary. This approach will address existing demands, new development as a result of infilling, and future growth in keeping with HRM's Regional Plan.

## **DISCUSSION**

The wastewater management plan will allow HRM to identify funding needs, set priorities and make decisions on a comprehensive basis for the full sewershed. It will also ensure sufficient capacity for existing development and at the same time, support HRM's Regional Plan.

The scope of work involves the pre-design of the expansion to the Eastern Passage Water Pollution Control Plant and analysis of the wastewater system's operation and management, including safety, regulatory compliance, wet weather overflows, odour control, infiltration and inflow control, system capacity (both existing and future) including servicing of new development, physical condition, system reliability and optimization. In addition, a significant field data collection program will be conducted, including a location and attribute survey of HRM's infrastructure for incorporation into the Corporate GIS.

A Request for Proposals was issued for the Eastern Passage Wastewater Management Plan in accordance with HRM's Procurement Policy for Architectural, Engineering, and Surveying Services. Proposals were received on April 1, 2005, and the consultant evaluation process took place on April 12, 2005.

The evaluation team consisted of staff from Environmental Engineering Services, Wastewater Treatment and Procurement. The following criteria were used for the evaluation of the proposals: expertise of firm and project team, methodology to complete the works, fees, and overall proposal quality and compliance with the terms of reference.

The scoring for each firm and their cost proposals, exclusive of taxes, are as follows:

<u>Consultant</u>	<u>Scoring (max 1000)</u>	<u>Cost</u>
CBCL Ltd.	836	\$443,066
Dillon/SNC Lavalin	817	\$494,950
ABL/Terrain	789	\$299,658
O'Halloran/ADI	711	\$473,036

The detailed breakdown of the scoring is included as an attachment. Based on the results of the evaluation, it is recommended that this work be awarded to CBCL Limited for an estimated cost of \$443,066 plus net HST.

Staff notes that there is a significant difference in the price proposal from CBCL and ABL/Terrain. There proposals also reflect a substantial difference in the proposed level of work which was reflected in the scoring. A number of criteria, including cost, were used in an objective evaluation process, consistent with HRM's Procurement Policy. This process is a standard in the industry and ensures HRM's interests are best served by using the highest-rated consultant for such projects. Staff feel that the highest-rated consultant is best able to handle this large and complex project.

As indicated earlier in the Discussion section, the wastewater management plan includes a significant field data collection program. Flow gauging is part of this program, and it is necessary to characterize wet weather flows in the wastewater collection system. The success of this program will be dependent on receiving a number of significant rainfalls within the proposed flow gauging period. It may be necessary to flow gauge for a period longer than originally proposed. Staff is therefore requesting an additional \$60,000 plus net HST be approved to cover the cost of possible additional flow gauging. This would bring the total project cost to \$503,066 plus net HST. If additional flow gauging is not required, the \$60,000 will be used for the design phase of the project.

### **BUDGET IMPLICATIONS**

Funding for this project is available in the 2004/05 approved capital budget under Account No. CGI00614, Eastern Passage WPCP Expansion, Eastern Passage.

The budget availability has been confirmed by Financial Services.

**Budget Summary**

**Capital Account No. CGI00614, Eastern Passage WPCP  
Expansion, Eastern Passage**

Cumulative unspent Budget	\$921,766.00
Less: Consulting and Eng. Serv	\$458,258.00
Less: Additional Flow Gauging	<u>\$ 62,057.00</u>
Balance of account	\$401,450.00

The balance of the account will be used for the design phase of the proposed Eastern Passage Water Pollution Control Plant expansion.

Some portion of the cost of this project may be eligible to be recovered from others at some time in the future, pursuant to the HRM Capital Cost Contribution Policy. For this project, any funds recovered are to be directed to the original funding source, i.e. the Environmental Protection Reserve.

**FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN**

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve budgets, policies and procedures regarding withdrawals from the utilization of Capital and Operating reserves, as well as any relevant legislation.

**ALTERNATIVES**

Council could choose to award the Wastewater Management Plan to a consultant other than the one recommended by staff. However, staff do not recommend this course of action because HRM's interests are best served by using the highest-rated consultant. The estimated total project cost is approximately \$22 million, therefore, the cost difference in the proposals represents less than 1% of the estimated total project cost.

If the study and treatment plant pre-design do not proceed, planned expansion to the Water Pollution Control Plant will not occur, nor will the wastewater collection system be upgraded to get us into a position of compliance. Consequently, the Water Pollution Control Plant, as well as components of the wastewater collection system, will continue to be out of compliance with Federal and Provincial (Nova Scotia Department of Environment and Labour) regulations.

**ATTACHMENTS**

**Proposal Evaluation Criteria**

Additional copies of this report, and information on its status, can be obtained by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

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## PROPOSAL EVALUATION CRITERIA

<p style="text-align: center;">HALIFAX REGIONAL MUNICIPALITY</p> <p style="text-align: center;">RFP # 05-326</p> <p style="text-align: center;">Eastern Passage Wastewater Management Plan</p>					
Criteria	Max Score	CBCL	Dillon/ SNC	ABL/Terrain	O'Halloran/ADI
Expertise of Firm and Project Team	250	211	200	181	177
Methodology	550	478	483	425	403
Fee Schedule	150	101	91	150	95
Overall Proposal Quality & TOR Compliance	50	46	43	33	36
TOTAL	1000	836	817	789	711
RANKING		1	2	3	4