
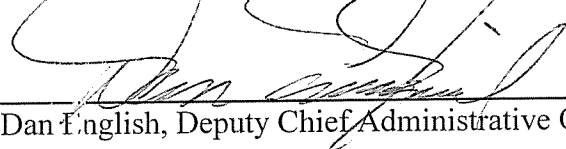


Halifax Regional Council
January 29, 2002

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:


George McLellan, Acting Chief Administrative Officer


Dan English, Deputy Chief Administrative Officer

DATE: January 21, 2002

SUBJECT: Proposal Call No. 01-295, Engineering Design Services, North Preston Sewage Treatment Plant Upgrade

ORIGIN

Approved 2001/02 HRM Capital Budget

RECOMMENDATION

It is recommended that Proposal Call No. 01-295, Engineering Design Services for Capital Account # CSU00146, the North Preston Sewage Treatment Plant Upgrade, be awarded to CBCL Ltd. for an estimated cost of \$109,120. plus net HST and 10 % for unforeseen extra costs that may arise during the design process, for a Total Project Cost of \$127,748.86, with funding as per the Budget Implications section of this report.

BACKGROUND

Conditions at the North Preston sewage treatment plant and in the receiving water body of Winder Lake require that the plant be expanded and upgraded. The plant has reached its hydraulic capacity and the receiving water body is in a hypereutropic state as result of the discharge of sewage treatment effluents. In June 2001, a pre-design study was completed.

DISCUSSION

A call for proposals for this project was advertised on December 1, 2001 and closed on December 21, 2001. The engineering design work involves increasing the plant's capacity and upgrading the treatment process. The current plant will be upgraded to a sequencing batch reactor type of process. This process will improve the plant's performance considering both existing and future flows. In addition, an engineered wetland will be constructed to provide for an increased level of treatment and nutrient reduction. The services to be provided by the consultant are as follows:

- investigation of the project site and collection of relevant data
- preparation of preliminary design drawings and related activities
- preparation of design report
- submitting and obtaining regulatory approvals
- preparation of final detail design drawings, technical specifications and related activities
- issuing and receiving tenders and recommending award

The following qualified engineering consulting firms submitted proposals: Dillon Consulting and CBCL Limited.

The proposals were evaluated based on the following criteria: project team, previous experience, past experience on HRM projects, understanding of the project, methodology, consideration of options and solutions, work schedule, fees, overall proposal quality and compliance with the terms of reference. CBCL Limited had the highest total commutative score of 339 (out of 400), whereas Dillon Consulting received a score of 333.

The review team consisting of staff from Design and Construction Services and Wastewater Treatment Services concluded that CBCL Limited best met the terms of reference and, therefore, recommended that CBCL Limited be awarded the work. Based on an estimated cost of \$109,120, plus net HST and 10 % for unforeseen extra costs that may arise during the design process, the Total Project Cost is \$127,748.86.

Following the design of this project and approval by Nova Scotia Department of Environment and Labour, a tender call can be issued for construction in 2002.

BUDGET IMPLICATIONS

Funding for this project in the amount of \$127,748.86, is available in the 2001/02 Approved Capital Budget in Account No. CSU00146, North Preston Sewage Treatment Plant Expansion, with an uncommitted balance of \$800,000. which has been confirmed by staff of Finance (Gross Budget \$800,000.)

As a result of this award, the project will be designed by CBCL Limited and a public tender will be issued. Funds have been approved for the construction of the project in Account No. CSU00146, North Preston Sewage Treatment Plant Expansion. This project involves expanding and upgrading an existing sewage treatment plant, therefore, there will be an increase in the annual operating costs for future years.

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

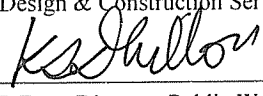
There are no recommended alternatives.

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.

Report Prepared by:


Ian Guppy, P.Eng., Design & Construction Services at 490-6824

Report Approved by:


Kulvinder Dhillon, P.Eng., Director, Public Works and Transportation Services at 490-4855

IG/bhs