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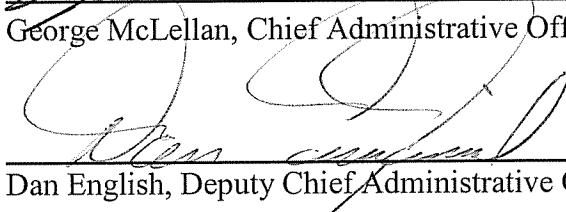
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**Halifax Regional Council**  
**May 20, 2003**

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

**SUBMITTED BY:**

  
George McLellan, Chief Administrative Officer

  
Dan English, Deputy Chief Administrative Officer

**DATE:** May 13, 2003

**SUBJECT:** **Consultant Award - Aerotech STP Upgrade/Biosolids Dewatering Facility, RFP 03-317**

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**ORIGIN**

2002/03 Approved Capital Budget.

**RECOMMENDATION**

It is recommended that RFP 03-317 consultant design and engineering services, Aerotech STP Upgrade/Biosolids Dewatering Facility be awarded to the highest ranking proponent, ABL Environmental/Dillon Consulting Limited, for a cost of \$293,206, plus net HST for a total of \$312,056 with funding from Capital Account No.CSU00138, Aerotech Sewage Treatment Plant-Upgrade, as per the Budget Implications section of this report.

## **BACKGROUND**

The Aerotech STP is a secondary level sewage treatment plant that serves Aerotech Park, the Halifax International Airport and adjacent commercial zone. In June 2001, ABL Environmental and Dillon Consulting were awarded the Aerotech Sewage Treatment Plant Upgrade/Sludge Management Study (RFP 01-015). The study results reaffirmed that due to higher than expected organic and nutrient loadings this plant must be upgraded to a tertiary level of treatment in order to meet Provincial and Federal regulatory compliance. The recommended treatment option proposed is a plant conversion to a sequencing batch reactor (SBR) process with nutrient removal and post filtration. The study phase preliminary estimated capital cost of the STP upgrade is \$2.5M.

The central Biosolids Dewatering Facility for existing HRM treatment facilities and residential septage had been previously identified in previous Council Reports as the preferred sludge management system as compared to the present problematic Aerotech Lagoon operation. The ABL/Dillon Study recommends that this facility be constructed adjacent to and integrated with the Aerotech Sewage Treatment Plant and include state-of-the-art Fournier dewatering units. Final disposal options include sod farming, composting, or the N-Viro (HREP) process dependant on which will be the most cost efficient method. The preliminary estimated capital cost of the dewatering facility is \$3.5M, resulting in a total project cost of \$6M.

## **DISCUSSION**

Terms of Reference outlining the scope of work were prepared and a Request for Proposals was advertised and closed on February 28, 2003. Three (3) proposals were received from the following:

1. ABL Environmental and Dillon Consulting Ltd.
2. ADI and O'Halloran Campbell Consultants Ltd.
3. CBCL Limited

The consultant evaluation process took place on March 27, 2003. The evaluation team consisted of staff from Design Services (PW&T), Wastewater Treatment (EMS), and Procurement (Finance Services). The criteria used for the evaluation of the proposals included: project team, firm's experience on similar works and performance on past HRM projects, understanding of the scope of works and methodology to complete the works, considerations of options, project schedule and fees, as well as overall proposal quality and compliance with the Terms of Reference.

The final scoring for each firm is as follows:

<b>Company</b>	<b>Scoring (max. 1000)</b>
ABL Environmental/Dillon	895
CBCL Limited	853
ADI/O'Halloran Campbell	712

Appendixes "A" and "B" provide the detailed breakdown of the total scoring and fees.

Following the design of this project and approval by Nova Scotia Department of Environment and Labour, tenders can be issued for construction in 2004.

### **BUDGET IMPLICATIONS**

Funding for this project in the amount of \$312,056 is available in the 2002/03 Approved Capital Budget, Account No.CSU00138, Aerotech Sewage Treatment Plant-Upgrade. The budget availability has been approved by Financial Services.

#### **Budget Summary:**

<b>Account No. CSU00138, Aerotech Sewage Treatment Plant-Upgrade</b>	
Cumulative Unspent Budget	\$1,449,689.12
<b>Less: RFP 03-317</b>	<u>\$ 312,056.00</u>
	\$1,137,633.12

### **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.

Environmental Management Services, who co-ordinated the development of the project and its inclusion in the Capital budget, have reviewed this report and concur with its recommendations.

### ALTERNATIVES

There are no recommended alternatives.

### ATTACHMENTS

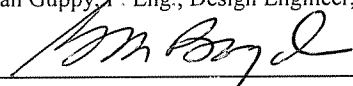
Appendix A - Proposal Evaluation Criteria.

Appendix B - Proposal Fees

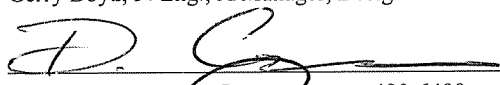
Additional copies of this report, and information on its status, can be obtained by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

Report Prepared by: Ian Guppy, P. Eng., Design Engineer, 490-6824

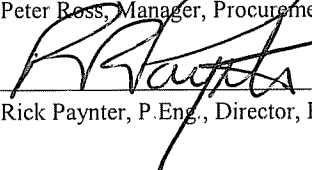
Report Approved by:

  
Gerry Boyd, P. Eng., A/Manager, Design & Construction Services at 490-4896

Report Approved by:

  
Fu Peter Ross, Manager, Procurement at 490-6499

Report Approved by:

  
Rick Paynter, P.Eng., Director, Public Works and Transportation Services at 490-4855

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## APPENDIX A : PROPOSAL EVALUATION CRITERIA

<p style="text-align: center;"><b>HALIFAX REGIONAL MUNICIPALITY</b></p> <p style="text-align: center;"><b>RFP 03-317</b></p> <p style="text-align: center;"><b>AEROTECH STP UPGRADE/BIOSOLIDS DEWATERING FACILITY</b></p>				
Criteria	Max Score	ABL and Dillon	CBCL	O'Halloran and ADI
Project Team	100	86	82	75
Previous Experience	100	88	81	79
Past Experience on HRM Projects	50	42	40	33
Understanding of Project	150	133	133	123
Methodology	250	228	223	208
Consideration of Options/Solutions	100	86	85	71
Work Schedule	50	41	33	36
Fee Schedule	150	150	143	56
Overall Proposal Quality & TOR Compliance	50	41	33	31
TOTAL	1000	895	850	711
RANKING		1	2	3

Appendix B: Proposal Fees

Halifax Regional Municipality

RFP 03-317

Aerotech Sewage Treatment Plant Upgrade/Biosolids Dewatering Facility

Consultant	Design Fees	Estimated Construction Fees	Estimated Total Fees
ABL and Dillon	\$312,056.21	\$160,143.72	\$472,199.93
CBCL	\$303,099.15	\$183,302.67	\$486,401.82
O'Halloran and ADI	\$478,930.50	\$274,439.95	\$753,370.45

Notes:

All costs include net HST