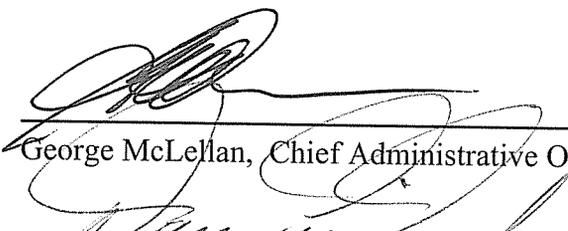
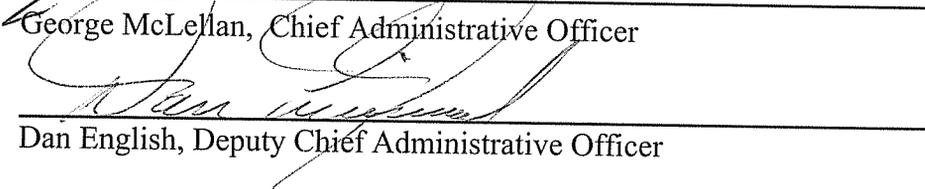


Halifax Regional Council  
February 5, 2002

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:

  
George McLellan, Chief Administrative Officer

  
Dan English, Deputy Chief Administrative Officer

DATE: January 30, 2002

SUBJECT: **Award RFP 01-339 - Services to Review and Undertake Water  
Monitoring at Closed Highway 101 Landfill & To Adjust Funding**

**ORIGIN**

The Halifax Regional Municipality publically advertised RFP No. 01-339 to provide services to review and undertake water monitoring at the closed Highway 101 Landfill.

**RECOMMENDATION**

It is recommended that:

- a) Council award RFP No. 01-339 to provide services to review and undertake water monitoring at the closed Highway 101 Landfill to MGI Limited of Dartmouth for a three year period with an anticipated price of \$143,512 including net HST.
- b) Council approve an adjustment to the funding of the remaining available balances in capital projects, CWR00406 Leachate Plume Investigation/Remedy, and capital account CWR00415 Leachate Plume Remedy Phase 1, from debt funding to a withdrawal from the Sackville Landfill Reserve, Q119 as outlined in the Budget Implications Section of this report.

## **BACKGROUND**

The Highway 101 Landfill closed to solid waste disposal operations on December 31, 1996. As part of closure monitoring and long term environmental management for this facility, the Halifax Regional Municipality (HRM) issued an RFP to retain the services of a competent consulting firm with the necessary skills, experience and abilities to provide a review of the monitoring system and undertake groundwater and surface water monitoring at the closed Highway 101 Landfill.

Since closure, the leachate treatment plant at the site has continued regular operations. As part of environmental management and closure at the site, various projects and capital improvements have been undertaken over the last number of years including an environmental audit, update of the closure plan, leachate treatment upgrades, installation of a toe drain and capping of manholes along the western toe of the older section of the landfill, groundwater monitoring and scoping of leachate plumes, completion of a cover and gas system for the final cell extension area, removal of underground tanks and some regrading, cap improvements and surface water control measures on the older section of the landfill.

The activities included in this project are intended to build upon the environmental management and closure work completed previously by having the consultant review the past monitoring data and site reports, recommend, undertake and interpret water monitoring approved at the site, recommend and complete approved work on the well system and recommend other source control and surface water management work for the site.

The monitoring well system is quite extensive (consisting of some 76 wells in total) and there are six surface water sampling stations. It is now timely to review the various data, information, reports, works and recommendations that have been made over time and recommend a present course of action for ground and surface water monitoring. An effective water monitoring program for the site tracks environmental impacts and helps facilitate decision making in regards to priority capital works to maintain an efficient and cost-effective environmental control and closure program for the landfill.

The intent of this project is to undertake an initial one year work plan that would complete sampling and interpret monitoring data, identify and scope the current site conditions, conduct agreed well maintenance and recommend a cost-effective monitoring plan to be approved by HRM for two following years. The current initial sampling program is expected to include all wells and surface water stations with data for the various wells and stations to be updated in spreadsheets. It is expected and contemplated in the RFP that six new wells may need to be installed (assumed at two 5 metre, two 20 metre and two 50 metre depth) and locations surveyed at the site.

Proponents were requested to provide pricing for the comprehensive first year work plan as presented in the RFP. The second and third year of the program will focus in on indicator wells and parameters for a cost-effective monitoring regime. The three year price includes the comprehensive first year works and an estimate for a more focussed program and a contingency for well work in years two and three.

### DISCUSSION

The RFP was issued November 21, 2001 and closed December 13, 2001. Nine proposals were received from respondents. All proposals were evaluated and ranked against the criteria listed in the attached Appendix A. A three member staff evaluating committee reviewed and scored the proposals with results as follows:

<b>Proposal Respondent</b>	<b>Total Score ( / 1000)</b>
MGI Limited *	901
Seacor Environmental	870
SNC Lavalin	851
Dillon Consulting	839
ADI Limited	835
Jacques Whitford	835
Environmental Solutions	683
Vaughan Engineering	656
E & Q Consulting	387

\* Recommended bidder. MGI Limited was both the high score respondent for all evaluating committee members and also low price respondent for the work plan as outlined in the RFP.

### BUDGET IMPLICATIONS

Funds for this work are available in approved capital projects CWR00406 Leachate Plume Investigation/Remedy, available balance \$43,512, (gross \$290,000) and in approved capital project CWR00415 Leachate Plume Remedy Phase 1, available balance \$100,000, (gross \$100,000). This report recommends that the funding of these balances be adjusted from debenture funding to Reserve Q119, Sackville Landfill. Business Case approved by Regional Council on October 23, 2001. Funds are available from this Reserve, as confirmed with staff of Finance. Funding this work directly from the reserve allows Capital projects CWR00406 and CWR00415 to be cancelled as debt funded projects and the debt funding transferred to the CRESPOOL. This monitoring and follow-up maintenance work qualifies to be funded from this account.

**FINANCIAL MANAGEMENT POLICIES / BUSINESS PLAN IMPLICATIONS**

This report complies with the Municipality's Multi-Year Financial Strategy, the approved Operating, Capital and Reserve 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.

**ATTACHMENTS**

N/A

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:

Robert Orr, P. Eng., Engineer, Waste Resources 490-6698

Report Approved by:

  
Brian T. Smith, Director, Solid Waste Resources 490-6606

APPENDIX A - PROPOSAL EVALUATION SHEET

Criteria	Merit (max. 10)	Weight	Score
1. Expertise of Firm			
a. Experience & activity in similar work		5.0	
b. Resources of firm		5.0	
c. Reference projects, reliability/credibility of firm		2.5	
2. Experience of Project Team			
a. Project Manager's experience, commitment		5.0	
b. Key personnel knowledge, experience in similar work		5.0	
c. Team organization		2.5	
d. Technical expertise, specialization		2.5	
3. Understanding of Services/Tasks/Scope of Work			
a. Scope meets terms of reference		10.0	
b. Understanding of objectives/tasks/local conditions		10.0	
c. Results designed to satisfy project's objectives		2.5	
4. Proposed Approach & Methodology			
a. Proposal and approach follows logical process		2.5	
b. Methodology meets objectives		10.0	
c. Adequacy of work plan & schedule		10.0	
d. Project budget & schedule management		2.5	
5. Fees			
a. Hourly rates for personnel & categories (allocation to tasks, firmness, etc.)		20.0	
6. Other Considerations			
a. Past performance on HRM projects		2.5	
b. Overall proposal (organization, fit, etc.)		2.5	