



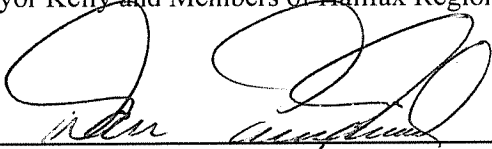
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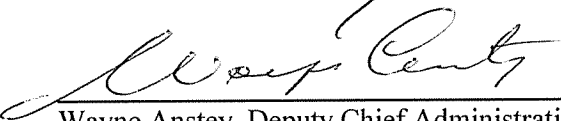
Halifax Regional Council
September 4, 2007

TO: Mayor Kelly and Members of Halifax Regional Council

SUBMITTED BY:



Dan English, Chief Administrative Officer



Wayne Anstey, Deputy Chief Administrative Officer - Operations

DATE: August 21, 2007

SUBJECT: Award of RFP No. 07-133, Water Monitoring and Engineering Services at
Closed Highway 101 Landfill

ORIGIN

Approved 2006/07 Capital Budget.

RECOMMENDATION

It is recommended that Regional Council award RFP No. 07-133, Water Monitoring and Engineering Services at Closed Highway 101 Landfill, to the highest scoring proponent, ADI Limited, at a cost of \$133,877.46 (net HST included), with funding from Capital Account No. CWI00780 (Q119) - Environmental Improvements, Highway 101 Landfill, 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 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 the specified water monitoring and engineering services at the closed Highway 101 Landfill site.

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 fuel tanks;
- annual comprehensive ground and surface water monitoring/reporting;
- leachate collection improvements;
- a landfill settlement assessment;
- some regrading, cap improvements, surface water control measures and manhole repairs on the older section of the landfill; and
- installation of landfill gas wells and a gas collection piping system (through agreement with a private sector company), with the combusted landfill gas used to generate electricity.

For this project, the required water monitoring services generally include:

- review of the past monitoring data and site reports;
- review of the monitoring system;
- confirm, undertake, interpret and report on the annual water monitoring program at the site, including assessment of leachate plumes (three years - Spring and Fall programs);
- re-survey all existing monitoring wells at the site to update the reference elevations;
- confirm appropriate strategic locations for and have a drilling contractor install two additional well monitoring nests (surficial, shallow bedrock, deep bedrock) on the south portion and west portion of the site; and
- recommend and complete approved maintenance or rehabilitation work on the well system.

The required engineering services generally include:

- inspection of the top central area of the older section of the landfill to identify cap integrity issues, drainage issues and areas of water ponding;
- conducting a topographic survey of the top central area of the older section of the landfill;
- review and recommend the most appropriate methods and options to correct cap integrity issues, grading issues, drainage issues and areas of water ponding on the top central area of the older section of the landfill;
- review and recommend the most appropriate method to correct erosion and cap integrity issues on the southwest slope of the older section of the landfill;

- prepare engineering design, plans, drawings, specifications, and tender documents in sufficient detail so that a capable contractor can complete the works to correct cap issues on the top central area of the older section of the landfill and correct erosion and cap integrity issues on the southwest slope of the older section of the landfill; and
- review and visual inspection of the leachate collection systems at the site, including the manholes and leachate piping to recommend a maintenance program on a prioritized basis.

DISCUSSION

RFP No. 07-133, Water Monitoring and Engineering Services at Closed Highway 101 Landfill, was issued on June 30, 2007 with closing on July 19, 2007. A voluntary pre-proposal conference (site meeting) was held at the closed Highway 101 Landfill on July 11th, to provide a site tour and address questions regarding the scope of work. All respondents attended. Six proposal responses were received.

A two-envelope proposal submission process was used. The first envelope, containing the Technical Proposal (Credentials, Expertise, Experience, Understanding, Scope of Work, Approach & Methodology), was first evaluated and scored by three staff members from Solid Waste Resources. An evaluation meeting was held with a representative from Procurement Services. The second envelope, containing the Cost Proposal, was then opened and reviewed. The resulting Cost Proposal scores were then added to the Technical Proposal scores. The evaluation matrix and results of this scoring are attached as Appendix A and outlined as follows:

Proposal Respondent	Scoring (Max. 1000)
ADI Ltd.	885 *
Jacques Whitford	859
Dillon	852
Neill & Gunter/ABL	848
Conestoga-Rovers & Associates	803
SNC Lavalin	786

*** Recommended Proponent**

The award of this contract will allow HRM to complete annual ground and surface water monitoring at the closed Highway 101 Landfill, as part of post closure monitoring identified in the closure works for the site. Additionally, it will enable design of cap improvements and surface water controls to prevent erosion and address cap integrity issues, grading issues, drainage issues and areas of water ponding. A long term maintenance program for site leachate systems will also be identified on a prioritized basis.

This project will be followed by construction phases which will require additional funding (refer to the Budget Implications Section of this report for account details). The additional funding will be utilized through regular procurement and award practices (e.g. RFQ, tendering, etc.) as appropriate to the scope of work for each phase.

BUDGET IMPLICATIONS

Funding for this project is available in the Approved Capital Budget Account No. CWI00780 (Reserve Q119), Environmental Improvements - Highway 101 Landfill. The budget availability has been confirmed by Financial Services.

Budget Summary:	<u>Account No. CWI00780, Environmental Improvements - Hwy. 101 Landfill</u>	
	Cumulative Unspent Budget	\$304,881
	Less: RFP No. 07-133	<u>\$133,877*</u>
	Uncommitted Balance	\$171,004

This project has been budgeted at a total of \$305,000. This phase was not separately estimated but staff feel that the entire project can be delivered within the originally budgeted amount. Remaining funds will be used on other phases of this project.

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

One alternative, which is not recommended, is not to award RFP No. 07-133. Although the site has not received waste since December 31, 1996, HRM is responsible for compliance with NSEL regulations. Since 1996, HRM Regional Council has awarded several RFPs for post closure maintenance and site improvements at the Hwy. 101 Landfill, to ensure provincial regulations are met.

ATTACHMENTS

Appendix A - Proposal Evaluations.

**Award of RFP No. 07-133, Water Monitoring and
Engineering Services at Closed Highway 101 Landfill
Council Report**

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September 4, 2007

A copy of this report can be obtained online at <http://www.halifax.ca/council/agendasc/agenda.html> then choose the appropriate meeting date, or by contacting the Office of the Municipal Clerk at 490-4210, or Fax 490-4208.

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Report Approved by: _____
Mike Labrecque, P.Eng., Director, Transportation & Public Works, 490-4851

Appendix A

Proposal Evaluations

Proposals were evaluated according to the following evaluation criteria with the weight indicated in each category:

Evaluation Criteria	Relative Weight	ADI Ltd.	Jacques Whitford	Dillon	Neill & Gunter/ ABL	CRA	SNC Lavalin
Credentials and Expertise of Firm	150	127.5	129.2	131.7	120.8	122.5	126.7
Experience of Project Team	175	149.6	150.4	150.8	141.3	140.4	145.8
Understanding of Services/Tasks /Scope of Work	250	224.2	214.2	220.8	211.7	215.0	200.8
Proposed Approach & Methodology	225	194.2	183.3	189.2	185.0	186.3	183.3
Performance/ Proposal Quality	50	42.5	41.7	42.9	39.2	40.4	40.8
Price (fees inc. net HST)	150	146.7 \$133,877	140.2 \$140,120 *	116.4 \$168,688 *	150.0 \$130,931	98.3 \$199,730 *	88.4 \$222,186
Total Score	1000	885	859	852	848	803	786

* Proponents were requested to prepare sufficient design and procurement documents (RFQ or tender) such that a drilling contractor would be able to drill six new monitoring wells. Proponents would also review and recommend award and inspect the drilling contractor's work. Although Proponents were not requested to provide a cost estimate for the installation of six new monitoring wells, several included this cost estimate in their proposal. To ensure integrity and equity in price evaluation, where bidders included a contractor's drilling component (estimate) in their Cost Proposal, it has been excluded.