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**REPORT TO CORE AREA LIQUID WASTE MANAGEMENT COMMITTEE  
MEETING OF WEDNESDAY, 11 OCTOBER 2006**

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**SUBJECT**      **DRAFT TERMS OF REFERENCE FOR A REQUEST FOR EXPRESSIONS OF INTEREST REGARDING INNOVATIVE SEWAGE TREATMENT AND RESOURCE RECOVERY TECHNOLOGY**

**PURPOSE**

To obtain approval for the attached draft terms of reference for a Request for Expressions of Interest Regarding Innovative Sewage Treatment and Resource Recovery Technology for the Capital Regional District's (CRD) Core Area and West Shore.

**BACKGROUND**

At the Core Area Liquid Waste Management committee (CALWMC) meeting of 27 September 2006, interest was expressed in inviting companies from North America, Europe and elsewhere to submit expressions of interest regarding the provision of innovative sewage treatment and resource recovery technology that may be suitable for treating and processing sewage generated in the CRD's Core Area and West Shore.

Draft terms of reference for issuing such an invitation are attached for comment and approval.

**ALTERNATIVES**

1. That the attached terms of reference for a request for expressions of interest be amended as required and then approved.
2. That staff be requested to amend the terms of reference as directed and submit them for approval to the next meeting of the CALWMC.

**FINANCIAL IMPLICATIONS**

It is estimated that the cost of distributing and advertising the request for expressions of interest and analyzing, reviewing and reporting on the responses will be about \$40,000. This will be funded from 2006 and 2007 Core Area Liquid Waste Management Plan budgets.

**SUMMARY**

Attached for comment and approval is a draft terms of reference for a Request for Expressions of Interest Regarding Innovative Sewage Treatment and Resource Recovery Technology to serve the CRD's Core Area and West Shore.

**RECOMMENDATION**

That the attached terms of reference for a Request for Expressions of Interest Regarding Innovative Sewage Treatment and Resource Recovery Technology be amended as required and then approved.

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S.B. McDonnell, PEng  
Manager, Engineering Services

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Dwayne Kalynchuk, PEng  
General Manager, Environmental Services  
Concurrence

**COMMENTS**

SBM/jt  
Attachment: 1

## CAPITAL REGIONAL DISTRICT

### REQUEST FOR EXPRESSIONS OF INTEREST REGARDING INNOVATIVE SEWAGE TREATMENT AND RESOURCE RECOVERY TECHNOLOGY FOR VICTORIA, BRITISH COLUMBIA, CANADA

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#### 1. Purpose

The purpose of this request for expressions of interest (REI) is to solicit information regarding innovative sewage treatment and resource recovery technologies and strategies that may be suitable for effectively and sustainably treating and processing sewage generated by a predominately residential community of about 300,000 (initially) to 400,000 people.

#### 2. Background

The Capital Regional District (CRD) is responsible for liquid waste management in the greater Victoria area of British Columbia, Canada, which is located on the southern tip of Vancouver Island.

Figure "A" (attached) shows the general layout of the existing wastewater infrastructure, which services seven municipalities (Victoria, Saanich, Oak Bay, Esquimalt, View Royal, Colwood and Langford). No treatment, other than fine screening, is provided at the two discharge outfalls at Clover Point and Macaulay Point.

On July 21, 2006 the BC Minister of Environment directed the CRD to: "submit to me for approval, no later than June 30, 2007, an amendment to the CRD Core Area Liquid Waste Management Plan detailing a fixed schedule for the provision of sewage treatment". A copy of the Minister's letter is attached in Appendix 1.

The CRD has a mission to be local government leaders in providing cost effective, innovative and environmentally responsible sewage treatment to its residents. As a result, we are now seeking information on sewage treatment and resource recovery technologies that will maximize environmental, social and economic benefits to the community, while minimizing environmental, social and economic costs.

The CRD is also retaining a consultant to prepare a decision information report to provide information to enable the CRD Board to make informed decisions regarding a number of issues including plant design criteria, the type of treatment technology to be considered and the number, location and timing of treatment plants.

#### 3. Review of Responses

The CRD intends that expressions of interest (EOIs) received in response to this request will be made public and posted on the CRD's website (<http://www.crd.bc.ca>). In order to facilitate posting, electronic copies of all printed and written material submitted, in PDF format, are required as well.

It is part of the terms of reference of the consultant, referred to in section 2 above, to evaluate and rank the EOI submissions and recommend to the CRD those that appear to merit further investigation.

It is expected that a technical and community advisory committee will also review the responses and/or comment on the consultant's findings regarding the EOIs received.

4. Expression of Interest Instructions

4.01 Submission Deadline

Respondents are requested to submit both paper (five copies) and electronic versions (in either Microsoft Word or Adobe PDF format) of their complete EOIs to the location referred in subsection 4.02 below by noon on February 2, 2007. Submissions should be plainly marked: "EXPRESSION OF INTEREST – INNOVATIVE SEWAGE TREATMENT AND RESOURCE RECOVERY TECHNOLOGY" and should bear the name of the party submitting.

The CRD reserves the right to accept or reject any or all late EOIs or EOIs received at locations other than that set out below.

4.02 Inquiries

For further information specific to this REI, please contact:

Dwayne Kalynchuk  
Capital Regional District  
PO Box 1000, 625 Fisgard Street  
Victoria, BC V8W 2S6  
Telephone: (250) 360-3092  
E-mail: [dkalynchuk@crd.bc.ca](mailto:dkalynchuk@crd.bc.ca)

4.03 Review

EOIs will be reviewed in accordance with the procedure set out in section 3 above. The CRD reserves the right in its absolute and sole discretion, without liability to anyone, to modify, extend the deadline, suspend, postpone or cancel any part of this REI or any subsequent processes contemplated or suggested under this REI. The CRD also reserves the right to contact respondents during the REI process to clarify or confirm information provided and/or to invite any or all respondents to provide brief presentations, without any obligation to contact or invite any other respondent.

4.04 Ownership and of EOIs

Unless the CRD agrees in writing otherwise, the CRD shall be entitled to retain, copy and disseminate, without compensation to any respondent, the EOIs and any information submitted during the REI process. Respondents are therefore not asked to, nor are they expected to, submit proprietary information.

4.05 Respondent's Expenses

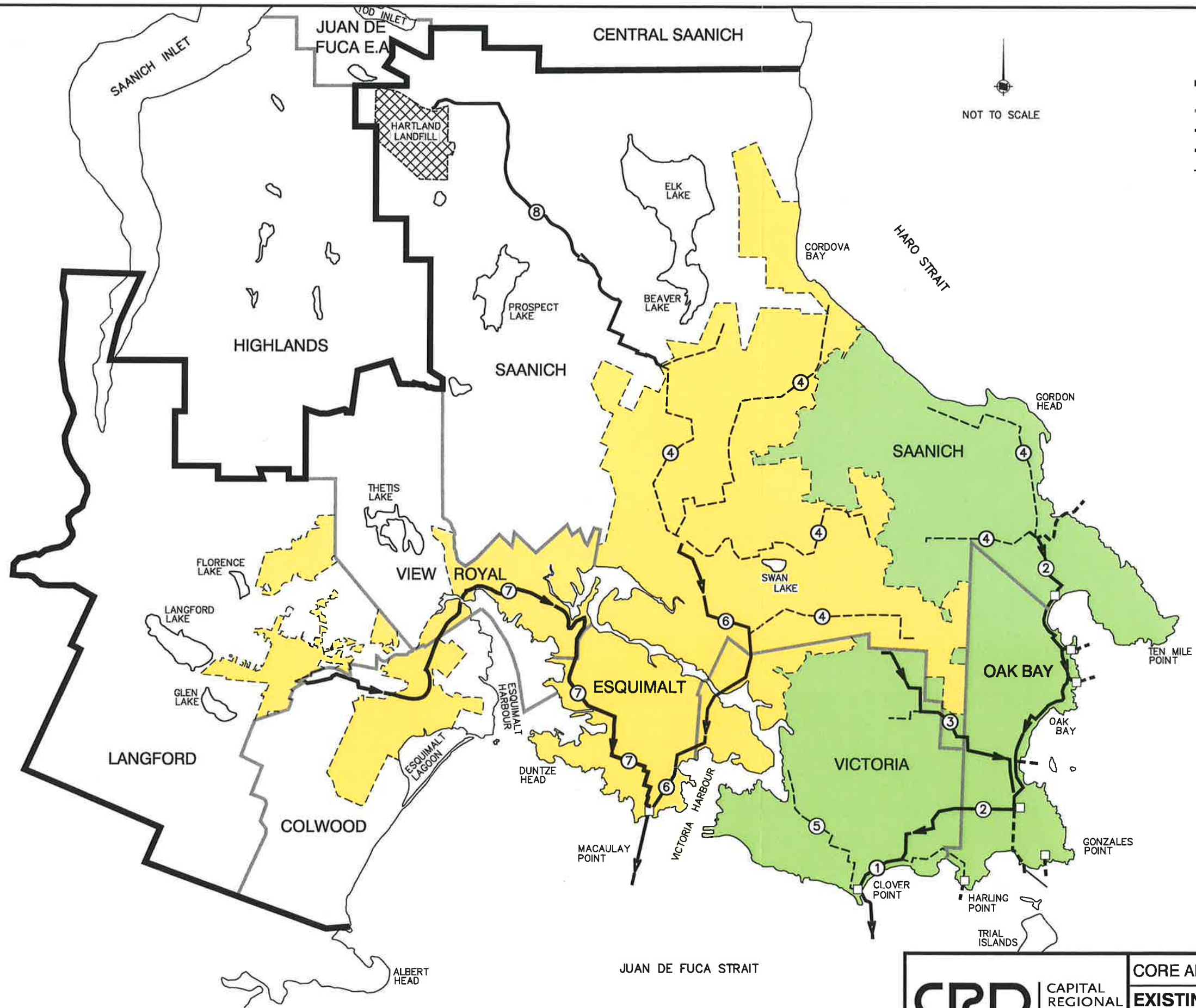
Each respondent is solely responsible for, and will have no recourse to the CRD for any and all costs and expenses incurred by the respondent in preparing and submitting its EOI, including any costs incurred by it after the deadline.

4.06 Accuracy of Information

The CRD does not represent or warrant the accuracy, completeness or relevance of any information set out herein or in the appendices or in any other background or reference information.

4.07 No Contract

This REI process is non-binding and no contract of any kind is formed under or arising from it. This REI is not an invitation to tender, a request for proposals or any variation thereof that would give rise to the creation of a bid contract or any other contract.



**LEGEND**

- LIQUID WASTE MANAGEMENT PLAN BOUNDARY
- MUNICIPAL BOUNDARY
- CRD TRUNK SEWERS
- CRD TRUNK OVERFLOWS
- MUNICIPAL TRUNK SEWERS

- CLOVER POINT SERVICE AREA BOUNDARY
- MACAULAY POINT SERVICE AREA BOUNDARY

- ① NORTHEAST TRUNK- CLOVER
- ② EAST COAST INTERCEPTOR
- ③ NORTHEAST TRUNK- BOWKER
- ④ SAANICH MUNICIPAL TRUNKS
- ⑤ VICTORIA CITY TRUNK
- ⑥ NORTHWEST TRUNK - NORTHERN
- ⑦ NORTHWEST TRUNK - WESTERN
- ⑧ HARTLAND LEACHATE PIPELINE

NOT TO SCALE



**CORE AREA LIQUID WASTE MANAGEMENT PLAN  
EXISTING WASTEWATER INFRASTRUCTURE &  
SEWER TRIBUTARY AREAS  
- REQUESTS FOR PROPOSALS**

**FIGURE 'A'**



Reference: 88918

**JUL 21 2006**

Mayor Alan Lowe, Chair,  
and Directors  
Capital Regional District  
PO Box 1000  
Victoria BC V8W 2S6

Dear Chair Lowe and Directors:

On March 26, 2003, former Minister, Honourable Joyce Murray approved the Capital Regional District Core Area Liquid Waste Management Plan (LWMP), which included a trigger process in lieu of a fixed schedule for treatment. The approved plan requires the implementation of two triggers, one for the seafloor ("seafloor trigger") and one for the water column ("seawater trigger").

On July 12, 2006, the Capital Regional District (CRD) Board received a report from an independent scientific panel, known as the Society of Environmental Toxicology and Chemistry (SETAC), detailing the results of the panel's review of the CRD's sewage practices. As you know, the panel reported that the risk factors, public values, and the regulatory climate argue for the CRD to improve the quality of its effluent.

In addition, I recently received and reviewed a report from an independent consultant, MacDonald Environmental Services Ltd. (MESL), retained by the Ministry of Environment to evaluate the CRD sediment quality data associated with the outfalls. This study found that, based on the available CRD monitoring data, contamination at the two outfalls is sufficient to warrant preliminary designation as contaminated sites under the Contaminated Sites Regulation. The study also showed that water quality guidelines are not being met outside of the initial dilution zone at Macaulay Point.

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Direct negotiations between Ministry and CRD staff regarding a seawater trigger have been ongoing for over 18 months, during which time the CRD requested and was granted two deadline extensions. I understand these negotiations have not resolved several key issues. This fact, when considered along with the findings of the SETAC report and the report obtained by the Ministry, leads me to the conclusion that agreement on an acceptable trigger process (one that is protective of the environment) is not achievable.

Therefore, in accordance with section 24 (3) (a) of the *Environmental Management Act*, I hereby direct the Capital Regional District Board to submit to me for approval no later than June 30, 2007, an amendment to the CRD Core Area Liquid Waste Management Plan detailing a fixed schedule for the provision of sewage treatment. Further, in accordance with section 24 (3) (b), I am requiring the CRD to provide to me no later than December 31, 2006 an interim progress report on this amendment. This report should outline options relating to the type, number and location of facilities, preliminary costs of treatment, as well as a proposed implementation schedule. To ensure value for taxpayers, I encourage the CRD to consider new technologies and alternative financing and delivery options, including the potential for private sector involvement. It is my understanding that some of this work may already be underway. It is also my expectation that the CRD will continue the current monitoring program.

I want to thank you for your continued efforts to implement the CRD plan and look forward to receiving your December 2006 report and plan amendment. Any questions with respect to developing the amendment should be directed to Randy Alexander, Regional Environmental Protection Manager, 2080-A Labieux Rd, Nanaimo, BC, V9T 6J9.

Sincerely,



Barry Penner  
Minister

pc: Honourable Ida Chong, MLA (Oak Bay-Gordon Head)  
Honourable Murray Coell, MLA (Saanich North and the Islands)  
Kelly Daniels, Chief Administrative Officer, Capital Regional District  
Dwayne Kalnychuck, General Manager, Environmental Services, Capital Regional District  
Randy Alexander, Regional Environmental Protection Manager, Ministry of Environment