

DATE: June 6, 2013 **FILE:** 5360/CR

TO: Chair and Directors
Comox Valley Regional District (Comox Strathcona waste management) board

FROM: Debra Oakman, CMA
Chief Administrative Officer

RE: SCS Engineers contract extension proposal for construction oversight - phase one
Campbell River landfill closure construction project

Purpose

To request board consideration for the contract continuation proposal from SCS Engineers (SCS) which includes tendering assistance, contract management assistance, and Construction Quality Assurance Plan (CQA) for the phase one Campbell River Landfill Closure construction project.

Policy analysis

The Comox Strathcona waste management (CSWM) service area covers the Comox Valley and Strathcona regional districts' geographical areas; and is operated by the Comox Valley Regional District (CVRD) under letters patent. The service was established under Bylaw No. 1822 being "Regional Solid Waste Plan Local Service Area Establishment Bylaw No. 1822, 1996" to establish and operate a local service for the collection, removal and disposal of municipal solid waste. Fees and charges for this service are provided for under Bylaw No. 170 being "Solid Waste Fees and Charges Bylaw No. 170, 2011", so that annual costs may be recovered.

The 2012 Comox Strathcona solid waste management plan (CS-SWMP) approved by the Ministry of Environment on May 23, 2013 supports the design and closure work included in this report.

At the May 16, 2013 meeting of the CSWM board staff received board authorization to issue a request for proposal to continue the contract from the project design professionals, SCS engineers, for construction oversight of phase one Campbell River Landfill Closure construction project.

THAT staff be authorized to negotiate a proposal with SCS Engineers, to be presented at the June 13, 2013 CSWM board meeting, to continue their current contract to manage and provide oversight of the phase one Campbell River Landfill Closure construction contract.

THAT a landscape architect be added to the design team for the mechanical stabilized earthen (MSE) wall at the Campbell River landfill and that the budget be increased to finance the landscape architect by a maximum of \$30,000.

Executive summary

On March 27th, 2013 the CSWM service received approval for the SCS proposed closure design plan including the phase one construction of the MSE wall from the Ministry of Environment (MoE).

As authorized by the board on May 16th, 2013 using costing guidelines in reference to the cost of project management and CQA oversight through the construction guidelines supported by the Consulting Engineers of British Columbia and Professional Engineers and Geoscientists of BC, the SCS Engineers proposal was examined in terms of best cost management practices. Project size,

estimated construction cost, type of construction and project schedule have been analysed in terms of the SCS proposal and is reasonable.

SCS Engineers proposed extended contract work includes:

1. Tendering assistance including construction proponents award evaluation report to the board;
2. Project management assistance to CSWM services;
3. Construction Quality Assurance (CQA) including materials certification, construction oversight, and project certification for phase one construction work;
4. Landscape architect added to the design team to enhance the aesthetic appearance of the MSE wall.

The proposed cost for the SCS extended contract work is \$407,565.00 not including taxes. The total length of the project is estimated to be four months.

Funds for the above engineering oversight and project management have been budgeted in the 2013 – 2017 financial plans – function #391.

Phase One Construction. Construction target date is before August 1, 2013, after City of Campbell River permitting is completed. The project critical path is now City of Campbell River construction permitting. All permits have been applied for. Closure construction includes MSE wall construction and closure of the lower portion of the outer slope along Argonaut Road. Completion of phase 1 will include a portion of the leachate collection system, the final stormwater system along Argonaut Road and a small portion of the landfill gas system. Under the current plan, completion of the wall will enable landfilling to continue for up to five years including:

- i) Continuous landfilling with minimal transfer of waste to the Comox Valley waste management centre (CVWMC) until completion of the environmentally engineered expanded landfill facility at CVWMC;
- ii) Meeting required provincial compliance, landfill gas system requirements to be operational in 2016;
- iii) Significantly reduce risk of waste transfer to the mainland until expanded landfill is ready to receive waste per the CS-SWMP at the CVWMC. There is an estimated two years of system capacity remaining at CVWMC and without the wall and approximately one year of system capacity at Campbell River waste management centre (CRWMC) which was obtained through the March 27th MoE closure plan approval;

As requested in the May 16th, 2013 board meeting, the following Table 1 has been updated as requested.

Table 1. Updated approximation of northern wasteshed MSW waste generation by area.

Northern Wasteshed Area	Year	Estimated Population	Approximate Waste Generation (tonnes)	Percent of Total Waste Generation
City of Campbell River	2013	35,705	21,780	85%
Village of Gold River	2013	1,451	885	3%
Village of Sayward	2013	363	221	1%
Cortes Island area B	2013	1,153	703	3%
Quadra Island area C	2013	2,978	1,817	7%
Other	2013	543	331	1%
Total		41,649	25,738	

Table 1 approximation taken from 2012 CS-SWMP population and system waste generation per capita estimates. Populations do not contain seasonal variations.

Recommendations from the chief administrative officer:

THAT the SCS Engineers design contract for Campbell River landfill closure construction project be extended to include construction oversight including project management and Construction Quality Assurance for an estimated total cost of \$407,565.00.

Respectfully:

D. Oakman

Debra Oakman, CMA
Chief Administrative Officer

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