

**DATE:** November 27, 2017

**FILE:** 5610-04

**TO:** Chair and Directors  
Regional District Board

**FROM:** Russell Dyson  
Chief Administrative Officer

Supported by Russell Dyson  
Chief Administrative Officer

*R. Dyson*

**RE: Contract Award- UV Disinfection Civil Works**

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### **Purpose**

To seek approval for the award of a contract to Knappett Industries (2006) Ltd. for the provision of civil, structural and mechanical works for the installation of ultraviolet light (UV) equipment for the Comox Valley water system (CVWS) at the existing water chlorination facility.

### **Recommendation from the Chief Administrative Officer:**

THAT as a result of a competitive process, the contract for ultraviolet disinfection civil works be awarded to Knappett Industries (2006) Ltd. in the amount of \$144,000 excluding GST;

AND FINALLY THAT the Chair and Corporate Legislative Officer be authorized to execute the contract.

### **Executive Summary**

As an interim measure to reduce the number of Boil Water Notices (BWNs) for the CVWS, Island Health has recommended the installation of temporary UV disinfection equipment at the existing chlorination station. Benefits of installing UV equipment include:

- Addition of a secondary form of disinfection to treat incoming source water
- Reduced number of BWNs for the CVWS

In November 2017, the Comox Valley Regional District (CVRD) issued a Request for Quotations (RFQ) for the civil works required to install the UV equipment. At the close of the RFQ two compliant quotes were received. The quote providing the best value to the CVRD was from Knappett Industries (2006) Ltd. at \$144,000 excluding GST.

Approval for the installation of temporary UV equipment was approved at the Comox Valley Water Committee October 2017 meeting. However with the costs of the civil works being over \$100,000, approval by the board for award of the contract is required. Table No.1 below summarizes the costs for the installation of UV equipment.

**Table No.1:** Temporary UV Costs

<b>Component</b>	<b>Cost</b>
UV Reactors (recoverable cost)	\$387,000
Instruments	\$42,000
Electrical	\$25,000
Civil Works	\$144,000
Engineering	\$70,000
Contingency	\$84,000
<b>Total Project Costs</b>	<b>\$752,000</b>
<b>Unrecoverable Costs</b>	<b>\$365,000</b>

Costs for the project were initially estimated at \$988,000. As can be seen by Table No.1 above, the costs for the project are significantly under budget with the total project cost estimated at \$752,000. The cost of the UV reactors is a recoverable cost as the reactors have been selected to be able to be used at the new water treatment facility once constructed.

Prepared by:

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**Stakeholder Distribution (Upon Agenda Publication)**

Knappett Industries (2006) Ltd.	<input checked="" type="checkbox"/>
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