

DATE: January 10, 2018

FILE: 5340-20

TO: Chair and Members
Comox Valley Sewage Commission

FROM: Russell Dyson
Chief Administrative Officer

Supported by Russell Dyson
Chief Administrative Officer

R. Dyson

RE: Timing for Contract Awards for Odour Control Measures

Purpose

To inform the Comox Valley Sewage Commission of the implementation strategy and timing for the award of two contracts for odour control measures at the Comox Valley Water Pollution Control Center (CVWPCC).

Recommendation from the Chief Administrative Officer:

This report is for information purposes only.

Executive Summary

Odour from the CVWPCC has been a long standing complaint for residents living near the Brent Road facility. Since 2015, the Comox Valley Regional District (CVRD) has undergone significant study work to better understand the source of odours and develop a strategy to improve odour control. In January 2017, the sewage commission approved the following odour control upgrades:

- Retrofitting the existing scrubber to increase its efficiency.
- Covering of the primary clarifiers with FRP covers to contain and treat air through the scrubber before being discharged to the environment.
- Adding a dual bed activated carbon (AC) polisher to further treat air and reduce odours before discharge to the environment.

Following this study work, an open house was held at the CVWPCC for members of the public to inform them of the recently completed study work. At this time the CVRD committed to completing the odour control upgrades by March 2018. Completion by the spring ensures the new equipment is working properly before the summer when odours from the plant are the strongest.

Retrofitting of the existing scrubber has already been completed by CVRD operators, however two separate contracts are required for the supply and install of the covers for the primary clarifiers and AC polisher.

Due to the timing/ development of the tender documents and contracts, tender close is expected at the end of January 2018. The timing of the completion of the tender period does not align well with CVRD Board meeting dates, and due to the estimated value of the work both contracts would require approval by the Board. The estimated costs for these two projects are summarized in Table No.1.

Table No.1: Estimated Contract Costs for Odour Control Improvements

Component	Cost
Covers for Primary Clarifiers	\$550,000
Dual-Bed AC Polisher	\$1,650,000
Total	\$2,200,000

Waiting for approval by the Board has the potential to delay this time critical project by up to two months, resulting in the CVRD missing the deadline communicated to residents. Based on the following bullets, the implementation strategy of these two contracts is to utilize the new purchasing bylaw should it be approved in 2018.

- The 2017-2021 Financial Plan included \$2.2 million for upgrades to the odour control system, this will be carried forward into 2018.
- In October 2017, the contract award to Associated Engineering for detail design of the phase one upgrades at the CVWPCC, as well as the construction management of the odour control works, was approved.
- As highlighted in the October 2017 staff report for the contract award, the priority scope item within the phase one upgrades is the supply and install of the odour control upgrades. The report also indicated that these upgrades would be completed on an accelerated schedule as compared to the rest of the phase one upgrades.

Due to the urgency of the upgrades at the CVWPCC and our commitment to complete the work by March 2018, should the new purchasing bylaw be approved in January 2018, the contract award will occur immediately based on the guidelines of the new bylaw. If the contract awards exceed the \$2.2 million that was budgeted, Board approval will still be required and will be brought to the Comox Valley Sewage Commission in February 2018.

Prepared by:

Z. BERKEYZoe Berkey, EIT
Engineering
Analyst

Concurrence:

C. GORECharlie Gore, P.Eng
Manager of Capital
Projects

Concurrence:

K. LA ROSEKris La Rose, P.Eng
Senior Manager of Water/
Wastewater Services

Concurrence:

M. RUTTENMarc Rutten, P.Eng
General Manager of
Engineering Services