



REPORT

To: Solid Waste Committee

Date: March 24, 2020

From: Paulo Eichelberger, General Manager of Environmental Services

Subject: RFP Award 05-2020 Bessborough and Chetwynd DOCP Update

RECOMMENDATION:

That the Solid Waste Committee recommend to the Regional Board that RFP 05-2020 - Bessborough and Chetwynd Landfill Design, Operations and Closure Plan Update be awarded to Tetra Tech Canada Inc. (Tetra Tech) at a price of \$99,781.04 (excl. GST).

BACKGROUND/RATIONALE:

Under the Operating Certificate (O.C.) of the Bessborough Landfill (BBLF) and Operating Permit for Chetwynd Landfill (CHLF), Landfill Design, Operations and Closure Plans (DOCP) are required to be updated every 5 years¹. DOCP's are an all-encompassing blueprint which describes:

- How landfill cells are constructed, including how surface water is managed (a "Fill Plan").
- Periodic assessment of landfill gas content in a landfill site.
- Progressive Closure – how different phases of a landfill are closed off when they reach their capacity, done so in order to limit infiltration of surface water run-off.

Bessborough Landfill

The latest version of the DOCP was due for update in 2018, but was delayed to accommodate changes in the construction of the next landfill cell, now being developed in 2 parts (Phase 3A and 3B). This alteration in how the landfill cells are constructed will be reflected in the new DOCP.

Chetwynd Landfill

The latest version of Chetwynd's DOCP was completed in 2012². A DOCP update is being done in 2020 for two reasons:

- In 2019, a new opportunity to increase airspace capacity at the site was realized when a previously disturbed portion of the landfill was found to have additional room for filling.
- the Ministry of Environment and Climate Change Strategy (MoECCS) began a process in late 2019 for all landfills in the Province where LF sites (with a permit or O.C.) are standardized under the same provincial landfill guidelines, which means updating fill plans and DOCP's every 5 years. This requirement now applies as the CHLF Permit was amended in January of 2020.

A DOCP must be provided by a qualified professional, therefore staff issued an RFP to secure best practices and pricing. Three proposals were received and are summarized in the table below:

¹The five year period is specified in the Provincial Landfill Criteria (2nd. Edition, Dec. 2016) and is designed to take into account the need to change how a landfill is built, based on new industry best practices and technology.

² Site had its Fill Plan updated in 2018 as a DOCP renewal was not mandated for operating permits.

Staff Initials:

Dept. Head:

CAO:

	Tetra Tech	GHD	SHA
Mandatory Requirements			
Submission Form (Appendix B)	✓	✓	✓
Pricing (Appendix C)	✓	✓	✓
Proponent Qualifications	✓	✓	✓
Scoring Matrix Results			
Total Score	86	81	85
PROPOSAL COST (Excluding GST)	\$99,781.04	\$155,000.00	\$124,724.00

All proponents were evaluated on experience, clarity of proposal, schedule, methodology and cost. From the evaluation, Tetra Tech is the preferred proponent.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide alternative direction.

STRATEGIC PLAN RELEVANCE:

☒ Not Applicable to Strategic Plan.

FINANCIAL CONSIDERATION(S):

Staff originally budgeted \$85,000 to complete DOCP updates. However, the preferred proponent and low-cost provider came in approximately \$15,000 higher than budgeted. Due to the recent update to the Chetwynd Fill Plan, the scope of work for the Chetwynd DOCP will be reduced, therefore costs are expected to be less than the quoted \$99,781. However, if the full value of the work is needed, the cost will not drive the Solid Waste Budget into deficit, due to an adjacent RFP which came in \$249,000 under budget.

COMMUNICATIONS CONSIDERATION(S):

None identified.

OTHER CONSIDERATION(S):

None identified.