



REPORT

To: Solid Waste Committee

Report Number: ENV-SWC-005

From: Paulo Eichelberger, GM of Environmental Services

Date: June 4, 2020

Subject: Award 27-2020 Bessborough Landfill Leachate and Landfill Works

RECOMMENDATION:

That the Solid Waste Committee recommends that the Regional Board award RFP 27-2020 "Bessborough Landfill: Leachate Pond, Phase 1B Closure and Phase 3B Expansion" for construction of a leachate pond and associated works; Phase 1A closure including final cover, passive gas vents, and perimeter ditches; Phase 3B expansion including leachate collection system, berms; extensions of existing access roads and associated ditches and culverts to OCL Industrial Services Ltd. at a price of \$2,961,628.05 excluding taxes; further, that the Chair and Chief Administrative Officer be authorized to sign the agreement on behalf of the PRRD.

BACKGROUND/RATIONALE:

As Phase 1 of the Bessborough landfill started to approach its design capacity, plans for the construction of Phase 3 began. Phase 3 will provide storage for 199,500m³ of material and is estimated to provide 5.88 years of landfilling.

In 2018 staff placed a tender for the construction of phase 3 however, due to the pricing received, it was determined that the project would be split into two parts.

1. Phase 3A Construction & Phase 1A Cover & Phase 2 Cover
2. Phase 3B Construction & Phase 1B Cover

Phase 3A construction and Phase 1A & 2 closure was tendered and constructed in 2019, leaving Phase 3B Construction & Phase 1B Cover to be completed in 2020.

Additionally in 2018, a Leachate Management Plan was developed for the Bessborough Landfill (BBLF). The plan provided methods for collection, treatment, and disposal for leachate generated on the site. From the plan, it was determined that a single collection pond would be utilized for the site. The pond would be fed by a force main that is comprised of submersible pumps in leachate collection pipes of each phase. The capacity of the pond was designed for the completed landfill up to Phase 11. Leachate in the pond will be treated through evaporation, which will be mechanically assisted using an evaporator cannon.

The leachate management system was slated for construction in 2020. With the initial timelines this would have given the site a year between capital projects. However, due to the construction of Phase 3 being both delayed and split, the construction season for 2020 would have potentially seen 2 capital projects at the site.

With concerns of the short construction season in the Peace River Regional District (PRRD), it was decided to combine the Phase 3B construction with the leachate management works instead of

putting off the leachate works to 2021. By combining the projects in the same year under the same contract a reduction in constructions was anticipated. As the consulting engineer for the design and QA/QC was the same for both projects.

Staff issued a tender to secure the best pricing from the market. Six bids were received, the results are as follows:

	Dave Moore Trucking	Road Bridge Services Ltd.	OCL Industrial Services Ltd.	IDL Projects Inc.	Knappett Industries	Brocor Construction Ltd.
Mandatory Requirements						
Form of Bid (IB-1)	X	X	✓	✓	✓	✓
Addenda Acknowledgement (IB-4)	X	X	✓	✓	✓	✓
Agreement to Bond (IB-6)	✓	✓	✓	✓	✓	X
Bid Bond	✓	✓	✓	✓	✓	X
Schedule of Prices	✓	✓	✓	✓	✓	✓
Tender Pricing						
TOTAL COST INCLUDING PROVISIONAL ITEMS (Excluding GST)	\$2,252,919.92	\$2,638,151.53	\$2,961,628.05	\$3,114,014.22	\$3,264,908.00	\$4,035,415.64

Of the six bids received, two bids (Dave Moore Trucking and Road Bridge Services Ltd.) did not meet the mandatory requirements as laid out in the tender documents and therefore were disqualified from evaluation. Of the remaining four qualified bids, OCL Industries was the lowest cost provider that met all tender requirements and is thus the preferred proponent to complete the Bessborough project.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Responsive Service Delivery

FINANCIAL CONSIDERATION(S):

Through the 2020 budget process, \$2,836,722 was allocated for this work.

The recommended bid is \$124,906.05 over budget. This total includes an allocation of \$83,381.42 for provisional items in the contract, if the provisional items are not needed, the total would be \$2,878,246.63 which is still over budget by \$41,524.

The additional costs to the project can be accommodated in the total 2020 capital budget general ledger line. A table summarizing the status and cost of the 2020 Capital projects (excluding carry forward projects) is provided below:

2020 Project	Budgeted	Actual Bid Price	Budgeted vs Actual	Status
Transfer Station Software Upgrade (CW6)	\$230,000	\$232,000	-\$2,000	Approved
BBLF 3B Construction, 1B Closure	\$2,836,722	\$2,961,628.05	-\$124,906.05	SWC for Approval June 4, 2020
NPRLF LFG Phase 2 Stage 2 Construction	\$220,000	\$268,998.50	-\$48,998.50	
Bulky Pit Ramps	\$470,000	\$335,797.06	\$134,202.94	
Recycling Sheds	\$184,500	\$115,200	\$69,300	
Total	\$3,941,222	\$3,913,624.55	\$27,597.45	
CHLF Scale Design, Tender, QA/QC	\$250,000	TBD	TBD	RFP Closes June 12 th

If all four projects are approved, the total balance for the capital works in 2020 remains \$27,597 under budget when utilizing the capital budget general ledger line.

COMMUNICATIONS CONSIDERATION(S):

N/A

OTHER CONSIDERATION(S):

N/A