

Memo



Date: January 5/2010
File: 5370-20
To: City Manager
From: W.J. Berry, P.Eng., Director, Design and Construction Services
Subject: Brandt's Creek Tradewaste Treatment Plant Upgrade TE09-11
Report Prepared by: Joel Shaw, P.Eng. Manager, Utility and Building Projects

Recommendation:

THAT the construction contract for the Brandt's Creek Tradewaste Treatment Plant (BCTWTP) Upgrade be awarded to Cumming Construction Ltd. for the amount of \$ 2,044,350 which includes GST (\$97,350).

AND THAT the Director of Design and Construction Services be authorized to approve any necessary Change Orders to this Contract as contingent items arise, up to a maximum of \$200,000.

AND THAT the Mayor and City Clerk are authorized to execute the Contract on behalf of the City.

Background:

The BCTWTP treats Industrial Tradewaste from two food and beverage-related industries - SunRype Products and Canrim Packaging Ltd. (the Industries). The BCTWTP is located in the north industrial area of Kelowna at the intersection of Ethel St and Weddell Place (see attached figure). The BCTWTP, which was constructed in 1973 and upgraded in 1986, was designed to discharge treated effluent to Brandt's Creek. As a result of increased flow and loading, the plant is unable to consistently achieve the effluent quality to allow creek discharge and the effluent is often discharged to the municipal sanitary sewer system. The City has been working with the Industries for several years to come to an agreement for upgrades to the plant that would improve effluent quality and provide a better system for conveying the effluent from the plant to the City sewer system. An agreement was signed and approved by Council in February 2009 which outlines the upgrades to BCTWTP.

The upgrades can be broken down into the following two main components:

- Upgrade Treatment Plant
- Construct onsite effluent lift station and install approximately 1100 m of forcemain from the lift station south along Ethel St to the tie-in north of Bernard Ave.

The construction contract for the Upgrade to the Treatment Plant is the subject of this Council recommendation. The construction contract for the onsite effluent lift station and forcemain was tendered separately, already awarded, and is currently under construction.

The work involved in upgrading the treatment plant is summarized as follows:

- Supply/Install fine screens, blowers, chemscan analyzer, sprinkler pump and dosing pumps,
- Construct fine screen room and modify existing electrical and screen rooms,
- Complete modifications to existing Basin 1 and supply/install aeration pipe work and coarse bubble diffusers and effluent sprinkler system,
- Supply and install ammonia vapour scrubber equipment.

The construction work for this contract is anticipated to commence in late January and is expected to be completed by August 31/09.

A handwritten signature in black ink, appearing to be the initials "R" followed by a flourish.

In response to the City's invitation to Tender TE-09-11, four (4) bids were received, as tabulated below:

Contractor	Total Bid (excluding GST)
Graham Construction and Engineering, a JV	\$1,907,948.00
Cummings Construction Ltd.	\$1,947,000.00
Greyback Construction Ltd.	\$2,244,048.00
Arlo Construction Ltd.	\$2,417,581.00

Our Consultant has reviewed the bid submissions and found that all bids were compliant except for the low bid submitted by Graham Construction. The City obtained a legal opinion in this regard and it was recommended that the bid submitted by Graham Construction was noncompliant and should be rejected. The second low bid from Cummings Construction was compliant. Cummings Construction Ltd. has sufficient expertise and experience to complete the project within the timeframe identified in the Tender Documents. The Consultant's pre-tender estimate for this work was \$1,311,000 excluding contingency.

Financial/Budgetary Considerations:

The tender price for the plant upgrades exceeds the Consultant's pre-tender estimate but is within the overall budget for this work when the budget contingency and the liftstation/forcemain project costs are factored in. The overall budget for the plant upgrades, the liftstation/forcemain and contingency is \$3,280,000. The Industries have entered into a Local Area Service Agreement with the City and the applicable project costs will be fully recouped by the City from the two participating Industries over a 15 year term by means of an annual levy on their property taxes.

Considerations not applicable to this report:

Internal Circulation:

Legal/Statutory Authority:

Legal/statutory Procedural Requirements:

Existing Policy:

Personnel Implications:

Technical Requirements:

External Agency/Public Comments:

Communications Considerations:

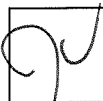
Alternate Recommendation:

Submitted by:



W.J. Berry, P.Eng., Director, Design and Construction

Approved for inclusion:



John Vos, General Manager, Community Services

CC: Director, Design and Construction Services
Manager, Purchasing

