



**City of Lloydminster  
Request for Decision (RFD)**

**Subject Matter: Wastewater Treatment Facility Lagoon Desludging – Award**

**Department: Operations**

Presented By: Karen Dela Rosa

**Council Meeting Date: February 5, 2024**

**Recommendation:**

That Council approve Administration commit, in 2024, \$1,000,000 from the Environmental Services Capital Reserve (No.:1-400-410-35140) to Capital Budget Project No.2442101. In addition, that Council approve Administration commit, in 2025, \$1,906,680 from the Environmental Services Capital Reserve (No.:1-400-410-35410) to Capital Budget Project No.:2442101.

That Council award the proposal from Lambourne Environmental Ltd. of Red Deer, AB to contract services for desludging and disposal of sludge for Cells 2 and 3 in the amount of \$2,962,330, excluding GST, with a contingency allowance of 15% in the amount of \$444,350, excluding GST, to be allocated from the Capital Budget Project No.:2442101 and that the project be phased over two (2) years (\$1,500,000 in 2024 and \$1,906,680 in 2025). In addition, that the Mayor and City Clerk be authorized to sign and seal all necessary documents.

**Issue:** As part of the City of Lloydminster’s commitment to environmental stewardship desludging of the Wastewater Treatment Facility’s (WWTF) Lagoons is required.

**Background:** Cells 1 and 2 were desludged in 2019 in preparation for the construction of the new Wastewater Treatment Facility. Cell 3 has not been desludged since the 1990s. During construction to repurpose the ponds, it was noted that there was still a significant amount of sludge remaining in lagoon Cells 2 and 3.

Removal of solids/sludge is needed in order to maximize the wet weather storage capacity of Cell 2 and 3. This desludging will enable the Wastewater Treatment Facility to divert maximum flows into the wet weather management lagoons during storm events and prevent the overflow of raw sewage into the surrounding environment. The existing lagoons at the WWTF will be repurposed as wet weather management ponds (Cells 2 and 3) and sludge management pond (Cell 1).

The City of Lloydminster issued a Bid Document publicly on the City’s Bids and Tender’s webpage on December 8, 2023 to procure the services of a qualified Vendor to complete the full removal and final disposal of sludge from its Wastewater Treatment Facility.

A large part of the evaluation criteria was focused on qualifications and methodology, as to ensure that the successful proponent is able to deliver the project in a safe and efficient manner while ensuring regulatory requirements are met, this is summarized in the following table:

Item	Evaluation Criteria	Weight
1	Corporate Qualifications and Experience	20%
2	Key Staff Qualifications and Experience	20%
3	Methodology	30%
4	Financial Summary	30%
	<b>Total</b>	100%

A Pre-proposal meeting was conducted on January 4, 2024. The original Tender Period was extended and closed on January 22, 2024, with six (6) submissions being received and reviewed for correctness. Three (3) submissions were deemed non-compliant. The Total Tender amounts, excluding GST, and total scores are summarized in the following table:

Firm	Cost	Total Score
Lambourne Environmental Ltd. of Red Deer, AB	\$ 2,962,330.00	84.51
KBL Environmental Ltd. of Leduc, AB	\$ 3,246,956.48	77.01
Aqua Clear Environmental Services of Whitecourt, AB	\$ 4,109,080.00	73.63

Administration is recommending that Lambourne Environmental Ltd. be awarded the project due to having the highest overall score. Lambourne has been in the business of lagoon desludging projects for three decades. Lambourne demonstrated their capability in successfully completing such projects through innovative land acquisition methods, robust technical expertise, and thorough understanding of regulatory requirements. The City has utilized Lambourne’s services in 2018-2020 to complete the desludging of Cell 1 and partial desludging of Cell 2.

**Options:**

1. That Council approve all motions as indicated in the Recommendation.
2. That Council not approve the award of the contract to Lambourne Environmental Ltd. of Red Deer, AB.
3. That Council request additional information and that the award of ... and that the item be brought forward to a future Regular Council Meeting.

**Alignment with Strategic Plan:** This item is in alignment with the following strategic area: Managing our Environment and Infrastructure. The desludging of the WWTF lagoons will optimize the facility’s performance by maximizing its active treatment capacity.

**Legal Review:** N/A

**Governance Implications:** The *Signing Authority Policy* requires Council approval for purchases over \$500,000.

**Budget/Financial Implications:** The anticipated costs associated with the Wastewater Treatment Facility Lagoon Desludging project (Capital Project No.:2442101) have been allocated as follows:



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	<b>Project 2342101</b>	<b>Project 2442101</b>		
	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>Total</b>
<b>Funding Sources</b>				
• Environmental Services Capital Reserve (1-400-410-35140) (Original Budget)	\$500,000	\$500,000	\$ -	\$500,000
• Environmental Services Capital Reserve (1-400-410-35140) (Additional Budget)	\$ -	\$500,000	\$1,906,680	\$2,406,680
• Environmental Services Capital Reserve (1-400-410-35140) (YE Capital Surplus)		\$500,000		\$500,000
	<u>\$500,000</u>	<u>\$1,500,000</u>	<u>\$1,906,680</u>	<u>\$3,406,680</u>
<b>Capital Expenditures</b>				
• Tender Amount	\$ -	\$1,304,348	\$1,657,982	\$2,962,330
• Contingency (15%)	\$ -	\$195,652	\$248,698	\$444,350
	<u>\$ -</u>	<u>\$1,500,000</u>	<u>\$1,906,680</u>	<u>\$3,406,680</u>
<b>Capital Surplus</b>				
• Environmental Services Capital Reserve (1-400-410-35140)	\$500,000			
<b>Remaining Budget</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

\*Note, any savings incurred from the new Mechanical Wastewater Treatment Facility Capital Project No.:1813602 will be committed to the Environmental Services Capital Reserve (Account No.:1-400-410-35140) to offset a portion of these expenses.

**Environmental Implications:** Desludging of the Wastewater Treatment Facility lagoons will ensure optimization of the current facility’s performance by maximizing the lagoon cells effective storage capacity.



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**Report Approval Details**

Document Title:	Wastewater Treatment Facility Lagoon Desludging.docx
Attachments:	
Final Approval Date:	Feb 1, 2024

This report and all of its attachments were approved and signed as outlined below:

Don Stang

Doug Rodwell

Dion Pollard