



City of Prince Albert

RPT 2025-163

TITLE: WWTP Vessel Rehabilitation 2025 Tender – North Primary Clarifier

DATE: April 2, 2025

TO: City Council

PUBLIC: X

INCAMERA:

RECOMMENDATION:

1. That the contract for the sandblasting and recoating of the North Primary Clarifier at the Prince Albert Wastewater Treatment Plant (WWTP) be awarded to PCL Construction Management Inc. in the amount of \$472,230 including PST; and,
2. That the Mayor and City Clerk be authorized to execute the Contract and any other applicable documentation on behalf of the City, once prepared.

EXECUTIVE SUMMARY:

The City of Prince Albert's Waste Water Treatment Plant (WWTP) requires rehabilitation of important vessels to ensure their lifespan can be prolonged. The project involves the surface preparation (sandblasting) and recoating of the North Primary Clarifier to remove existing coatings, rust, and contaminants. This work is essential to restore the vessel to optimal operational condition and extend its lifespan. The scope of work includes site preparation, containment setup, abrasive blasting, recoating, and thorough inspections to ensure compliance with environmental and safety standards.

The project also includes site services, specialized equipment, and supervision by PCL's experienced construction specialists and subcontractors. It also incorporates comprehensive safety management and quality control management systems overseen by PCL.

BACKGROUND:

The North Primary Clarifier at the Prince Albert WWTP has been subject to extensive wear due to prolonged exposure to wastewater and harsh operational conditions. To prevent further deterioration and ensure efficient processing, sandblasting and recoating are required. The project follows best practices and adheres to Occupational Safety and Health Administration (OSHA) standards and Canadian Centre for Occupational Health and Safety (CCOHS) guidelines.

PROPOSED APPROACH AND RATIONALE:

The City issued a tender for rehabilitation of the North Primary Clarifier and received 5 compliant bids.

During the tender period, the City received questions about the potential for lead in coating that was used in the tanks previously and engaged a contractor to complete lead sampling to confirm. The sampling results confirmed that the coating used in the North Primary Clarifier tank has levels of lead that exceed current standards, requiring special environmental and health and safety controls for sandblasting and disposal of this material. These controls do require additional time and materials to adequately contain the sandblasted coating, including sealing off the tank and keeping it under negative air pressure, hepa filters to vacuum up the removed material from the tank and special containment suits for workers.

CONSULTATIONS:

In preparation for this project, the WWTP Manager consulted with WWTP Operations staff and the Procurement Division to develop a comprehensive scope of work that ensures the best value for the City. This consultation allowed the tender process to align with best practices in wastewater facility maintenance.

COMMUNICATION AND/OR ANNOUNCEMENT PLAN:

PCL Construction Management inc. will be provided a standing purchase order for the value as per quotation submitted.

BUDGET/FINANCIAL IMPLICATIONS:

This project was budgeted in the 2025 Utility Budget, however, the bids came in higher than anticipated, in part due to the discovery of lead in the tank coating. As this is considered a priority project to prepare the Waste Water Treatment Plant for the planned upgrades project, Administration is recommending that the City proceed with this work in 2025.

Other planned operational projects will be paused to allow this project to take place within the existing 2025 operations budget. The selected contractor's bid provides competitive pricing while ensuring compliance with safety and environmental standards.

Tank Rehabilitation Budget	\$280,000
Admin Building Roof Rehabilitation	\$150,000
Ca(NO ₃) Chemical Budget scale back (\$200K Budget)	\$50,000
Total Useable Operations Budget	\$480,000

OTHER CONSIDERATIONS/IMPLICATIONS:

There are no policy, privacy, legal, safety or environmental implications.

OPTIONS TO RECOMMENDATION:

There are no viable alternatives to the proposed project, as the clarifier requires maintenance to continue functioning efficiently and to be prepared to operate properly through the planned WWTP Upgrades project.

STRATEGIC PLAN:

This project aligns with the City's Strategic Plan Priority to maintain and enhance essential infrastructure. The work ensures the longevity and effectiveness of wastewater treatment operations. Additionally, it aligns with the implementation of long-term budget planning, fostering predictability in decision-making. Over the next four years, we plan to perform similar rehabilitation work to the remaining clarifiers.

OFFICIAL COMMUNITY PLAN:

There are no Official Community Plan Strategies or Plans applicable to this report.

PUBLIC NOTICE:

Public Notice pursuant to the Public Notice Bylaw No. 24 of 2015 is not required.

ATTACHMENTS:

Attachment 1 – RFP 15-25- Vessel Rehabilitation – WWTP

Attachment 2 – North Clarifier Location

Attachment 3 – North Clarifier

Written by: Sean Thompson, Waste Water Treatment Plant Manager

Approved by: Director of Public Works & City Manager