

Municipality of Lakeshore – Report to Council

Operations

Capital Projects



To: Mayor & Members of Council
From: Wayne Ormshaw, P.Eng., Division Leader – Capital Projects
Date: June 7, 2022
Subject: Denis St Pierre Pollution Control Plant Expansion – Project Update

Recommendation

This report is for information only.

Background

The Denis St. Pierre Water Pollution Control Plant (the Plant) was identified to be nearing hydraulic capacity in the Municipality of Lakeshore's Water and Wastewater master Plan Update (completed in May 2018). Further, an Environmental Assessment (EA) for an expansion to the plant was completed in May 2020. Through the EA it was confirmed that the Denis St. Pierre Water Pollution Control Plant Expansion Project would increase the peak operational capacity of the Plant by approximately 70%.

The average flows at the end of 2019, indicated that the Plant was operating at 92% of its rated capacity. Based on this, design of the Plant expansion was initiated.

The Plant expansion includes two (2) projects:

- 1) Treatment Plant: The design of the Treatment Plant expansion was undertaken and completed in June of 2021. The project was tendered for construction in July 2021 and the project was awarded by Council on September 16, 2021, to North America Construction (NAC).
- 2) Plant Outfall - The design of the Plant Outfall was undertaken and completed in March of 2022. The project was tendered for construction in March 2022 and the project was awarded by Council on April 26, 2022, to J&J Lepera Infrastructures Inc.

These two (2) projects are required to be completed to commission the Plant.

This report is being presented to provide an update on the projects including schedule and financial status.

Comments

At this time, the Treatment Plant project is progressing generally in line with the baseline schedule provided by the Contractor following award. The project budget tracking for the Treatment Plant is also generally in line with the financial projections as provided by the Consultant for the project.

The Plant Outfall project execution of the agreement for the construction is currently underway. It is anticipated that construction will commence in late July 2022. The construction for the Plant Outfall is required to be substantially complete by March 31, 2023.

The following provides the key milestone dates of the projects:

Stage	Date(s)	
	Treatment Plant	Plant Outfall
Notice to Commence	Sept 24, 2021	June 30, 2022
Contract Execution	October 19, 2021	Currently underway
Procurement of Subcontractors & Materials	November 1, 2021 to July 26, 2022	Currently underway
Mobilization	November 1 to November 26, 2021	July 18, 2022
Construction	November 12, 2021 to July 27, 2023	July 18, 2022 to March 31, 2022
Commissioning	April 10 to April 28, 2023	April 10 to April 28, 2023
Substantially complete	July 27, 2023	March 31, 2022

It is anticipated that the increased capacity of the plant will be able to accept additional connection demand in the Summer of 2023.

An update to this report will be provided in the late fall of 2023 to advise of any impacts and/or changes to the above timelines.

Financial Impacts

The below is an approved financial summary of the project:

Plant Construction Items	Approved Costs
SCADA upgrades (to existing plant system)	\$122,142.31
Treatment Plant Tender Price including Provisional and Contingency Allowances	\$43,911,679.00
Plant Outfall Tender Price including Provisional and Contingency Allowances	\$5,739,849.74
Permits	\$29,658.13
Engineering Fees (On-Site and Contract Administration during Construction)	\$3,199,400.00
Non Refundable HST	\$932,848.03
Total Cost (including applicable HST)	\$53,935,577.21

Note: The above costs do not include financing cost nor does it included already expended cost for environmental assessments or preconstruction engineering and permits.

There are no financial impacts identified by this report as the above noted Plant construction costs associated with this project have been approved to date during award of the projects and remain within budget at this time.

Report Approval Details

Document Title:	Denis St Pierre Pollution Control Plant Expansion – Project Update.docx
Attachments:	
Final Approval Date:	Jun 9, 2022

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

Prepared by Wayne Ormshaw

Submitted by Krystal Kalbol

Approved by Justin Rousseau and Truper McBride