
**TOWN OF EASTEND
WTP, RAW WATER RESERVOIR & INTAKE UPGRADES**

BCL File #103.02-7B

April 14, 2021

General Progress to Date

In March, project progress included:

- Mechanical work again made good progress. All piping and valves are 85-90% complete with some work remaining on the exterior truck fill piping.
- Heating and ventilation are mostly completed as well.
- Process equipment is all in place and ready for loading membranes.
- Electrical work also made significant progress including electrical distribution rough-in nearing completion and much of the wiring in place.
- Instrumentation and control wiring is well underway as well.
- Control panel is now in place and significant wiring is underway.
- Different components of the electrical work are 60-80% complete.
- Office and washroom tiling is complete.
- Siding, roofing, eaves troughs and downspouts are complete.
- Work resumed in the river and reservoir intake structures including stainless steel piping fabrication.
- Reinforcing bar for the loading dock structure on the east side of the plant was inspected on April 8 and will be poured once the formwork is closed up.

During the next work period (month), construction is expected to include continued advancement of the mechanical and electrical work and preliminary start-up of some equipment. Raw water reservoir work is projected to resume this month provided the weather cooperates.

Progress Certificate

Progress No. 11 is certified and represents work completed to March 31, 2021. Westridge Construction Ltd. is eligible for payment in the amount of \$168,083.68.

Westridge provided their required WCB clearance and Statutory Declaration paperwork along with their invoice.

Payment in the amount of \$16,825.19 should also be made to the holdback trust account, as required by the Builder's Lien Act. Total holdback to date should be \$555,419.54 plus taxes.

Change Order#4

Change Order #4 was executed to cover some small changes between the electrical design allowances and construction coordination. One part of the change was for a breaker type change for the UF control panels (\$504.85), and another was to bring power to the chain hoist location (\$4,860.77) for a total of \$5,365.62. This CO was approved by the Town at their March 10, 2021 Council meeting and work will be coordinated as such.

Price Requests / Contemplated Change Orders

Additional costs to complete some other minor variances from the design work have also been considered and relayed to the Town for preliminary approval. These include:

- Addition of a geotextile / geogrid product and additional fill at the bottom of the earthen reservoir to try to firm up the bottom prior to installation of the HDPE liner. The liner installer determined that the existing material was too wet being that close to the groundwater levels and could not be adequately smooth drum rolled. The (maximum) cost to complete this work is estimated at \$48,317.00 but Westridge and Buckhorn Excavating will do their best to minimize costs and maintain the existing budget. Westridge was given approval to go ahead with the work on April 5.
- Additional electrical discrepancies between the electrical design and Delco Automation's control equipment scope are being evaluated. These were estimated in the order of \$15,000 but are still being evaluated and discussed by Willms Engineering and Riverside Electric. These will be passed on to the Town as soon as possible, if merited.
- Some minor mechanical (stainless steel piping) changes were required in the river and reservoir pump chambers to accommodate the pumps that were specified. These changes are estimated in the order of \$9,000.00 and will be passed on to the Town as well.

While some small change orders have continued and are somewhat to be expected, BCL and Westridge will be working to keep the project within the original tendered price budget. If the budget is projected to exceed the original tendered price, the Town will be made aware.

Construction Schedule

An updated construction schedule was provided by Westridge on February 22, 2021. According to the schedule, work is generally on track but will largely depend on the raw water pond completion. Schedule updates will be provided over the next month, but project completion is likely to be in June 2021.

Testing

No further test results have been received since the previous report.

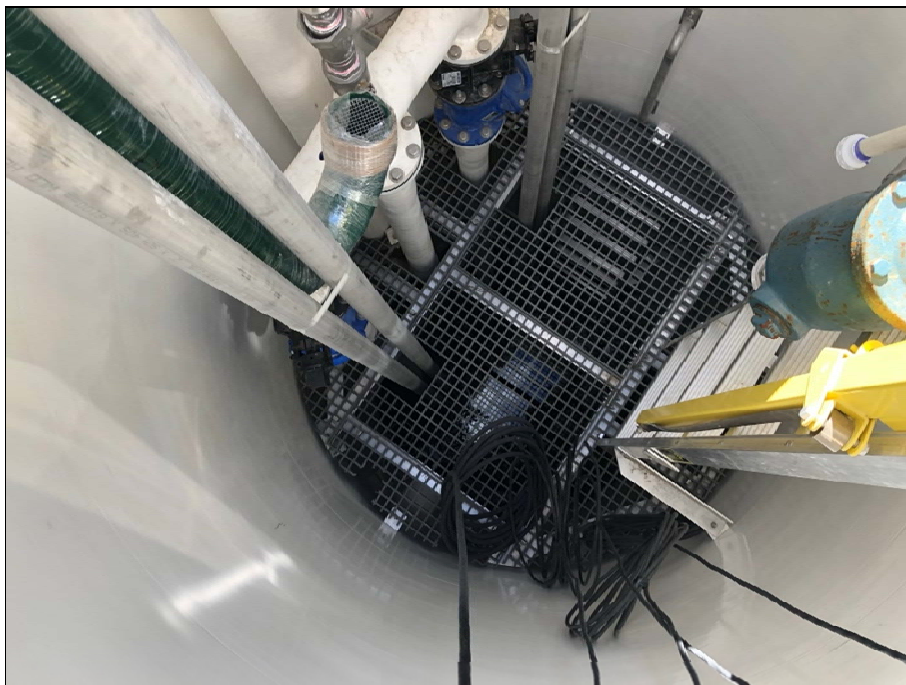
Shop Drawings

Westridge has provided 50 shop drawing submittals to date and all have been reviewed and returned. No new shop drawings have been received since the previous report.

Photos



Fabricated steel piping for river and reservoir pumping structures.



Effluent pumping chamber.



Reservoir floor is drying but requires additional geotextile and fill to firm up for liner install.



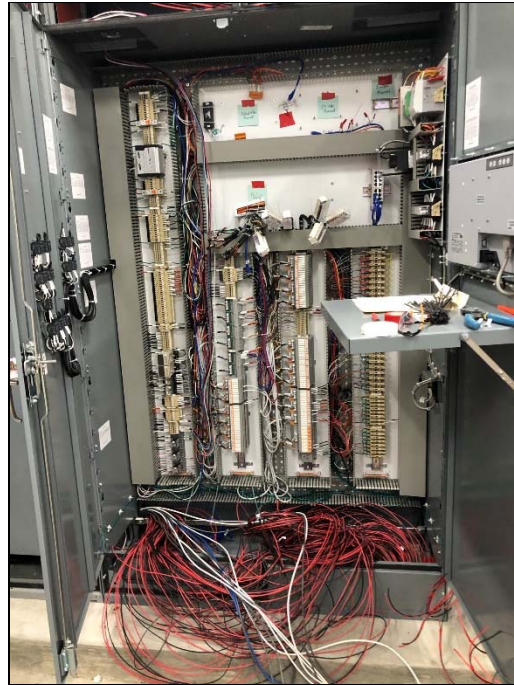
Loading dock rebar placement.



Generator room work underway.



Motor control centre wiring (starters and variable frequency drives).



Control panel wiring.



Office tiling complete.

Prepared by: Matthew Feige, P.Eng.