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

BCL File #103.02-7B
November 16, 2020

General Progress to Date

In October, project progress included:

- Completed the framing, insulation and sheathing of exterior and interior walls.
- Completed the trusses, sheathing, ceiling insulation, waterproofing membrane, and roofing.
- Rough in of the office and washroom wiring within the walls.
- Rough in of the wiring to each of the two intake structures.
- Louvres and dampers for the intake and exhaust units on the exterior walls are in place.
- Completed the reservoir intake structure including the air scour line and grating.
- Excavation and backfill around the water treatment plant building is completed, except for the small amount around the retaining wall and loading dock.
- Completed the earthwork for the raw water reservoir. This includes the stockpile material on the outside of the berms to be used for liner cover once the liner is installed.
- HDPE liner material was delivered to site and is eligible for payment of material only.

Preparation for the liner installation was delayed by soft working conditions on the floor of the reservoir. This would not be completed before it snowed, so Westridge has advised that the liner work will resume in spring. The bottom of the reservoir floor will be re-addressed in spring, but additional work (geotextile and additional fill) will likely be required. BCL will work with Westridge to determine a cost-effective plan to firm up the bottom of the reservoir.

During the next work period (month), construction is expected to include painting of the interior walls and beginning the mechanical and electrical work within the building. Reservoir and intake structure work will resume in spring.

Progress Certificate

Progress No. 6 is certified and represents work completed to October 31, 2020. Westridge Construction Ltd. is eligible for payment in the amount of \$683,376.76.

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

Payment in the amount of \$68,406.08 should also be made to the holdback trust account, as required by the Builder's Lien Act. Total holdback to date should be \$302,637.80 plus taxes.

Construction Schedule

An updated construction schedule was provided by Westridge on November 5, 2020. The schedule was adjusted from the August submission to reflect some minor changes and push the liner installation to spring. Overall, this only changes the scheduled commissioning by approximately 2 weeks.

Testing

Since the last report, density testing on the reservoir berm compaction rates were completed and all passed the specifications. Some of the density tests around the water treatment plant were a bit low but compaction will be revisited in the spring and the snowpack will likely contribute to higher compaction where it was not mechanically feasible.

Shop Drawings

Westridge has provided 50 shop drawing submittals to date and all have been reviewed and returned.

Shop drawings that have been reviewed since the last project engineer's report are:

Transmittal	Description	Status
52	Paint & Flooring Samples	Reviewed & Returned
53	Signage	Reviewed & Returned

Photos



Front of water treatment plant – compaction completed except at left around the proposed loading dock and retaining wall location.



Rear of water treatment plant; insulation, flashing and roofing completed.



Earthen raw water reservoir excavation is completed.



Building interior is framed and sheathed.



Generator room is framed and sheathed.



Washroom and chemical room.



Office framing including door and windows.



Office electrical rough in.



Overhead pump lifting beam in place.

Prepared by: Matthew Feige, P.Eng.