



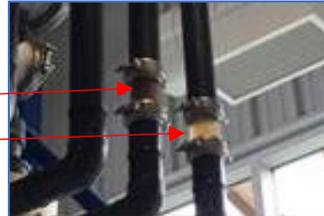
Englishman River Water Treatment Plant

Update #3
April 2021

MARCH UPDATES

- Successfully completed wiring, programming, and commissioning the Chlorine Analyzer. This very important piece of equipment supports our regulatory requirements as well as monitors, alarms and shuts the plant off if we experience any HIGH/HIGH or LOW/LOW results. This is an amazing success for our team, the plant operations, and public drinking water safety.
- Newly installed titanium heaters are working well.
- SCADA issues have been dramatically reduced and our operations team is working hard to complete the remaining deficiencies.
- Completed ongoing maintenance, annual calibrations, and servicing contracts.
- Our amazing operations team repaired the limit switch on the Amiad strainer motor that drives the cleaning system.
- Optimized the blower settings to get more mechanical agitation resulting in higher aeration, better cleans and clearing away previous build up of debris in the membranes.

The reject ports show excellent removal of particulate and colour with extended aeration during our cleans.



UPCOMING

Operations is embarking on a few projects, (not regular operations/maintenance) including, but not limited to:

- Raw Water Pump Station Seal Project - Mechanical shop drawings have been submitted and approved. Archie Johnstone was able to expedite and received the mechanical equipment. Electrical shop drawings have been forwarded and waiting for approval from Jacobs.
- Our operations team is working very hard to get the Second Stage back online prior to the higher demand season (previously out of commission due to storm events).
- To improve the safety for our workers, we will be embarking on changing the concentration of sodium hydroxide from 50% to 25%. This will also remove the risk of the heat trace system.

GEOBAG UPDATE

A conference call was conducted with the Town of Perth (Ontario) treatment plant superintendent as they had implemented the geobag system. In general, the system works. Close attention or additional monitoring will be required at the beginning, commissioning stage. Various features were added to the Perth's geobag system to accommodate the winter seasons such as greenhouse, heaters, and heat trace. Fortunately, we do not have the same winter temperatures here. We are also working on our sampling plan to ensure we have good data prior to commissioning.

Belinda Woods
Director of Operations
City of Parksville