



Englishman River Water Treatment Plant

ISSUE #2
March 2021

FEBRUARY UPDATES

- February brought us two new clay bank collapses causing brief high turbidity and low Ultra-Violet Treatment (UVT). We needed to closely monitor and add coagulant to retain a UVT 90% or higher
- New titanium heaters were installed and wired, Figure 1, 2
- Annual service completed for Atlas-Copco compressors, CO2 and chlorine sensors
- HVAC exhaust fan motor in the chemical room replaced under warranty
- SCADA deficiencies – list of issues has been built and consolidated; staff working with H2OI and Jacobs to refine and resolve
- Completed ongoing maintenance, annual calibrations, and servicing contracts



Figure 1



Figure 2

UPCOMING

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

- Raw water pump seal flush line design has been approved and construction set for June - July
- Arrowsmith Dam Safety Review RFP to be completed in May 2021 to retain a professional engineer to complete the review and be in compliance with Provincial Dam Safety Regulations
- Membrane condition assessment
- Upcoming fibre optics upgrade will improve communications between pump stations
- Englishman River flow gauge is waiting ministerial budget approval, but expected target install date is by March 31

GEOBAG UPDATE

- Contract is in place; design to be completed in March – April; construction May - August
- Water sampling and testing by Bishop have been completed at various locations in our plant: Figures 3 and 4 are our water samples treated and filtered by Bishop. Figure 5 represents the final dewatered waste products from sample testing that will remain in the geobag. Testing of the residual product is in progress.

Figure 3 - raw, treated and filtrate

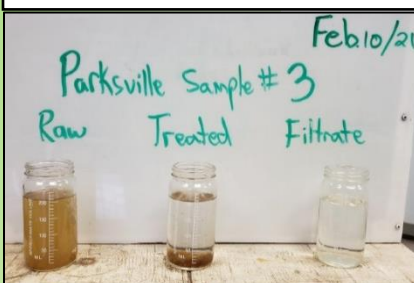


Figure 4 - raw, treated and filtrate



Figure 5 - Rapid dewatering test, retained solids



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