



**Update #6
August 2023**



Arrowsmith Dam (August 4, 2023)

AWS/ERWS Operations July Updates

- Watershed and ERWS water treatment plant tours were conducted with the AWS and ERWS board members, Mosaic, and City staff. The group visited the Arrowsmith dam, ERWS intake and water treatment plant facilities where the water supply, Mosaic forestry planning and practices, and future plans were discussed.
- Drought levels in BC are worse than during the fall 2022. The province is working with water licensees to reduce water use by promoting water conservation measures.
- Additional efforts are in place to provide ongoing monitoring of the watershed, dam level, and river flow. Staff continue to work closely with Ministry of Forests (MoF) and Department of Fisheries and Oceans (DFO) throughout the season to ensure the best use of stored water for drinking water, aquatic health, and fish habitat. Weekly updates are provided to the stakeholders and posted on the City's website.
- Routine service was completed to the Englishman River hydrometric gauge (Orange Bridge, 08HB002) and level sensor at the intake. This is to maintain and improve the instrumentation's accuracy.
- To reduce the need and frequency of strainers and membrane cleans, testing and sampling is in progress.
- Annual full spectrum water quality analysis was completed as per the regulatory requirements.
- Curtains were installed around the chemical skids to improve workplace safety.
- Service is underway on the carbon dioxide (CO2) system, which included replacing the service water supply valve and CO2 pressure reducing valve.
- To eliminate leaks and allow for interchangeable parts, inspection and replacement, hardware from the membrane back pulse lines was replaced for maximum efficiencies.
- Roadwork repair from the Arrowsmith dam to the antenna is rescheduled to the fall to prevent any potential risk of forest fire.

Watershed and Dam Level Update

- Arrowsmith Lake dam was **71% full** (elevation 822.6m, end of July 2023), 5.9m below the spillway level, below normal range of 826.0mm (average end of July).
- Consumption is 20% lower than in 2021 (heat dome); however, it is only 5% to 10% lower when compared to the average July consumption.

Monthly Production and Consumption Facts

