



AWS/ERWS Operations March Updates

Update #3 April 2023



Chlorine Drum Scrubber Replacement to filter and remove chlorine gas

- A routine site inspection was completed for the chemical room as part of the preventative maintenance program. A workplan was created to support and schedule the routine and technical (specialized) service work.
- The Contractor was onsite to monitor and improve the process system performance as part of the warranty work. A technical team has been created to provide input where necessary.
- Staff held a meeting with the fire department and emergency program coordinator to enhance the Water Treatment Plant Emergency Plan. The focus is to review scenarios and resources required to respond effectively and maintain business continuity while meeting best management practices and drinking water standards.
- The 2022 Fish Monitoring Program has been submitted to the Department of Fisheries and Oceans and Ministry of Forests for review and consideration. This program establishes measures and standards to protect the ecological river system (as per the permit).
- The Arrowsmith Dam Operation, Maintenance, and Surveillance manual was issued and accepted by the province.

Upcoming

- A Request for proposal will be issued for a consultant to review the Englishman River baseflow and climate change effects relevant for the Arrowsmith Dam operating conditions and provide recommendations to support Provincial Operating Rule guidelines.
- Staff will attend the confined space entry and fall protection training courses as part of the workplace occupational health and safety regulatory requirements.
- A Contractor will replace the ultra filtration membrane backwash drain valve actuators with dual acting, modulating actuators. Staff can control the flow rate of the drain cycle of the backwash to remove solids and create additional protections for the membranes during storm events more effectively.

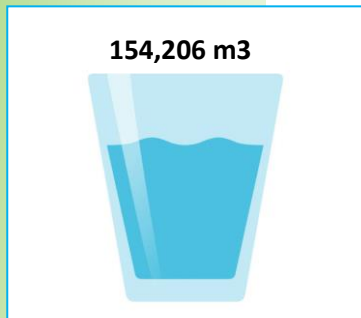
Watershed and Dam Level Update

- Arrowsmith Lake Dam is **63% full** (elevation 820.7m, end of March 2023), 7.8m below the spillway level, below normal range of 828.5m. Snow pillow (snow water equivalent) depth is at 820mm, below the minimum range of ~1000mm.
- Last year's drought pattern extended into this year's winter and spring. Crews are conducting regular monitoring of the spring rainfall, snow pillow, spring freshet and dam levels in preparing for the summer season. The current conditions are very similar to those in 2009.

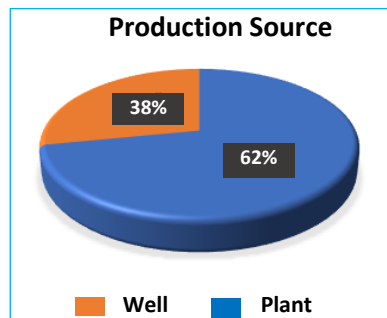


Photo from Snow Station Satellite Camera (from remote access)

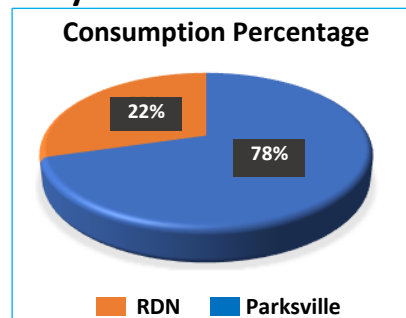
Monthly Production and Consumption Facts



Parkville wells and ERWS totals



Parkville wells and ERWS totals



Well water not included in percentages