

**Subject** Engineering Board Report

**Month** April 2020

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### **MOYIE WATER SYSTEM**

Water consumption is slightly high for this time of year. It is possible that customers are running water to prevent plumbing from freezing or there are leaks within the distribution system.

### **Elko WATER SYSTEM**

Water consumption remains low and normal for this time of year.

### **RUSHMERE WATER SYSTEM**

Water distribution check valves have been received and will be installed to prevent water from flowing back into the distribution tanks.

### **WINDERMERE WATER SYSTEM**

The Water Quality Advisory remains in place as turbidity is between 0.5 and 1.0 NTU. The Windermere Watermain Upgrades are anticipated to begin early April. Marwest Industries and MPE continue to look at implications of the pandemic and could delay the work if provincial or federal orders prevent the work from proceeding. A newsletter is being drafted to inform the public about the project.

### **EDGEWATER WATER AND SEWER SYSTEMS**

Macaulay Creek is flowing normal for this time of year. Operators disassembled and cleaned the faulty flow control valves at the UV Treatment Plant. The administration portion of the Lake Baptiste Dam Upgrade is complete with all as-built drawings received and final grant claim submitted which brings the Project to completion.

### **EAST SIDE LAKE WINDERMERE WATER SYSTEM**

All new water pumps are installed and commissioned with some pump programming to occur at the Low Lift Pump Station. The SCADA remote monitoring upgrades continue. The Timber Ridge and Swansea watermain looping construction began in late March. Similar to the Windermere Project, construction will move cautiously given the potential challenges with the pandemic. A teleconference Utility Advisory Commission meeting is scheduled for April 20 to discuss the financial plan and operations and maintenance.

### **SPURVALLEY WATER SYSTEM**

A teleconference Utility Advisory Commission meeting is scheduled for **March 27** to discuss the financial plan, user fees and operations and maintenance.

## **FAIRMONT FLOOD AND LANDSLIDE SERVICE**

Further to last month's announcement of receiving the UBCM Structural Mitigation grant of \$750,000 for Cold Spring Creek upgrades, procurement for engineer services will begin this spring with construction tentatively scheduled for 2021.

## **SNOW PACK AND WATER SUPPLY OUTLOOK**

The snow weather stations in the East Kootenay show that the snow-water equivalent is slightly above normal for late March. Floe Lake is at 110%, Morrissey Ridge is at 90% and Moyie Mountain is at 120% of normal.

## **AREA A FLOOD CONTROL – HILL ROAD DIKE**

The revised Hill Road Flood Protection project was submitted to the Department of Fisheries and Oceans for approval and we are awaiting their feedback on approval to proceed. The construction tender documents were released March 24 with construction planned for summer/fall 2020. If any changes are required from the DFO, they will be reflected in a Tender Addendum.

## **STAFF**

Most of the Cranbrook Engineering Staff continue to work from home to follow the physical distancing measures. Utility Operators in the Cranbrook area and Columbia Valley continue to complete the required daily to weekly utility inspections as they are essential water and wastewater services.