
R.W.W.D. MONTHLY REPORT

TO: RWWD TRUSTEES

FROM: JOE MATIAS – OPERATIONS MANAGER

SUBJECT: OCTOBER MONTHLY REPORT

DATE: NOV.05/24

CC: HEIDI HANSEN

INTRODUCTION

This memo provides results of Rayleigh Water Works District operational events that have taken place during this past month, for all disciplines of the RWWD department.

Water Treatment Plant:

In the month of October, the water treatment showed a significant reduction in water usage due to the reduction of irrigation and season adjustments. On Oct.6/24, RWWD operations had to drain the Train #2 Tube Settler tank in order to repair the sludge drive which resulted in replacing the sludge header discharge hose. All electrical conduit kickplates have now been installed by RWWD operations in the water plant as part of the requirements outlined in the electrical safety inspection. On Oct.6/24 Rayleigh Improvement District was under a scheduled BC Hydro Power outage from 7 am to 7pm and RWWD operations followed all emergency response protocols for extended power failure with great success. Community signage was provided in advance to include a reminder of the scheduled outage, along with “no irrigation” notices to ensure safe reservoir levels were sustained for fire protection. Our RWWD website was also updated to notify the residents of the community. The UPS (uninterrupted power supply) batteries were replaced at the reservoir for the necessary backup power for the 24 DC power for our telemetry. RWWD operations also replaced the existing UPS at the high lift building for the 24DC power and internet power with a larger capacity unit as the previous unit could not sustain the necessary power during the last power outage. Due to the occasional loss of radio signal from the reservoir storage level telemetry feedback to our plant SCADA, the radio was upgraded to a 900 megahertz from the 5G unit to which eliminated the loss of signal and provided consistent level readings for our plant automation.

River Intake:

Regular and consistent daily rounds and checks were conducted as per normal operational tasks. North Thompson river levels are still continuously being monitored closely to ensure adequate water supply for the RWWD distribution system. There have been some significant level increases in the North Thompson and occasional high turbidity spikes that contributed to some process adjustments for water treatment. On Oct.23/24, RWWD operations and Utility Manager had to remove the east winter river pump and swap out with another pump due to an electric motor winding short. This pump will need to go back to the shop to get a motor rewind repair.

Water Distribution:

Consistent and regular weekly bacteriological testing has been completed on the distribution system to meet the Conditions of Permit for our system. Also, continuous monthly reporting to the Interior Health Authority has been submitted to sustain consistent compliancy. All regular water meter readings were taken for all commercial buildings and residential buildings with over one inch water services for monitoring purposes. There were three water service shut off events in the month of October which resulted with three repairs on the resident's side of the service and the relocates were provided by RWWD operations for all applications. The following civic addresses were associated with the repairs for 4892 Kathleen Place, and 4630 Cammeray to which after inspection RWWD provided new curb stop valve boxes and 5047 Spurraway for homeowner repairs. Fire Hydrant winterization for slow draining hydrants has been started and is expected to be completed in the first week of November. On Oct.29/24 a notice of Bylaw 195 violation letter was issued to the homeowner of 4605 Spurraway in person by the Utility Manager and Administrator after being notified by RWWD staff of the already in construction phase of a new pool house to which the Raleigh Improvement District Trustee Board was not notified as per Bylaw 195 requirements under sections 18-22. RWWD is in discussions with City of Kamloops to follow up more that led up to this development and hoping to have answers to our concerns in this matter.

Septage System:

Regular preventative maintenance and daily rounds are being conducted 7 days a week. The water treatment plant septic tank was pumped out on Oct.31/24 as per monthly requirements. All septic field irrigation was blown out for winter. We are still in the process of scheduling the installation of the remaining 5 flow meters to all applicable septic fields.

BC One Tickets:

There were 5 BC One tickets for the month of October in which the RWWD operations provided locations of our buried utility infrastructure. These maps and locations were provided for the purpose of residential repairs, and construction.

Yours truly,

Joe Matias

Operations Manager of Raleigh Water Works District