
R.W.W.D. MONTHLY REPORT

TO: RWWD TRUSTEES

FROM: JOE MATIAS – OPERATIONS MANAGER

SUBJECT: MAY MONTHLY REPORT

DATE: JUNE.03/24

CC: HEIDI HANSEN

INTRODUCTION

This memo provides results of Raleigh 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 May, RWWD operations had conducted its annual confined space drill and annual fire drill to meet the WorkSafe BC requirements. RWWD received the second of three-stage engineer design report for the recommended options for corrosion control of the steel tanks within the water plant process. These options will be provided to the trustee board with the intention of approving the final design to move forward to the final stage for installation in late fall of 2024. Train #2 upgraded capital budget item variable frequency drives have been purchased and will be scheduled to replace the existing obsolete equipment at the end of this water restriction season, due to the water demand. 17 loads of solids were removed by a hydrovac for the backwash tank sludge by Sunny Green Environmental, which came in as a cost savings from the previous contractor. RWWD operations received the annual shipment of anionic polymer chemicals for the season for the water plant process. RWWD received its annual backflow preventor inspection by Evans Fire protection on May.31/24 and awaiting final report. RWWD operations is still awaiting a quote on a specific dewatering stand-alone system for the water plant backwash tank to reduce the operational disposal costs.

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. As per the request of True Engineering, our operations are still taking photos daily of the river levels as part of the recordings for the proposed River Intake Feasible Study. On May.09/24, the sand centrifugal was put into service as per normal seasonal raw water flows to remove the incoming sand and sediment.

Water Distribution:

Consistent and regular weekly bacteriological testing sampling 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 meter readings were taken for all commercial buildings and residential buildings with over one inch water services for monitoring purposes. There were four water service shut offs in the month of May for residential repairs. RWWD operations completed their annual fire hydrant flow testing on May.14/24 to meet the City of Kamloops testing standards for Bylaw 10-37. An application for the BC extension of the small-scale multi-unit housing was submitted to the City Of Kamloops to represent Rayleigh Improvement District, thus not allowing secondary suites due to the shortfall of water storage volume within Rayleigh’s infrastructure at this time. This would allow RWWD to update our applicable bylaws to be compliant with new requirements added to the Local Government Act by Bill 44 Housing Statutes (Residential Development) Amendment Act (Small-Scale Multi-Unit Housing legislation), under Section 786 of the Local Government Act and Section 625 of the Vancouver Charter. RWWD has finally received the approval from the Ministry of Municipal Affairs for the amended Bylaw 221 for the new four stage water restrictions.

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 May.20/24 as per monthly requirements. On May.29/24, RWWD operations installed the first new capital budget item “septic field effluent digital flow meter” on field #6 to provide accurate discharge volumes to meet the provisions under the Environment Management Act for Permit 6611. After the first month’s trial and success of optimized recorded volumes, RWWD will resume ordering the remaining 5 flow meters in preparation to install on all applicable septic fields.

BC One Tickets:

There were 13 BC One tickets for the month of May in which the RWWD operations provided locations of our buried utility infrastructure.

Yours truly,

Joe Matias

Operations Manager

Rayleigh Water Works District