
R.W.W.D. MEMORANDUM

TO: RWWD TRUSTEES

FROM: JOE MATIAS – OPERATIONS MANAGER

SUBJECT: APRIL MONTHLY REPORT

DATE: MAY.06/24

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 April, RWWD operations had now completed the process of conducting the annual maintenance on Train #2. On Apr.09/24, RWWD Utility Management had submitted a response letter to the applicant for the development proposal at 4420 Devick which resulted in the inability to approve at this time. On Apr.14/24 evening, the RWWD experienced a BC Hydro power outage for 2.5 hours which caused issues with the Water Plant main PLC once the power was back on. This resulted in calling the instrument technicians from T Moore Electrical and Exceed Engineering to troubleshoot and resolve an underlying issue within the PLC logic in order to start the water plant. They were able to ascertain the program glitch after a couple hours of extensive research due to this abnormality and put the plant back into production. Train #2 upgraded variable frequency drives and panel have been ordered and expect to be installed sometime in May 2024.

River Intake:

Regular and consistent daily rounds and checks were conducted as per normal operational tasks. Critical 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 have been taking photos daily of the river levels as part of the recordings for the proposed River Intake Feasible Study. On Apr.03/24, RWWD received confirmation from City of Kamloops grants department that the Municipal of Affairs Infrastructure Planning grant has been conditionally approved and the terms and conditions have been signed off by RWWD.

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. There were two water service shut offs in the month of April consisting of one new underground irrigation installation at 332 Chetwynd Road and a repair of compromised curb stop service at 167 Puett Ranch Rd. Outside contract services consisting of a Hydrovac, were called in to excavate the curb stop safely in order to repair it at 167 Puett Ranch Rd. This was due to an adjacent BC Hydro pole near the curb stop causing safety concerns to the RWWD operations making the repair. On Apr.22/24, RWWD Administration received a public water quality concern of sand and silt at the residence of 4103 Davie Rd. Under the direction and recommendation by the Utility Manager, RWWD operations conducted a 20-minute water main flush at the nearest standpipe at 4129 Davie Rd. A follow up call with resident resulted in positive results and RWWD will be scheduling a return visit to the resident in the upcoming early fall to establish whether further flushing will be required.

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 April.22/24 as per monthly requirements. On Apr.17/24, RWWD operations and TMoore electrical replaced one effluent dosing pump along with a mechanical float that was compromised. All septic field collection tanks had the inlet Tee's plunged, mechanical float switches checked, and seasonal rotation of discharge zones initiated in the month of April. One effluent discharge meter has been ordered to conduct trial on the functionality and efficiency before ordering for the rest of the septic discharge fields.

BC One Tickets:

There were 9 BC One tickets for the month of April in which the RWWD operations provided locations of our buried utility infrastructure.

Yours truly,

Joe Matias

Operations Manager

Rayleigh Water Works District