

**Union Bay  
Public Works**

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**Public Works Report**

**Repairs:**

1. 4774 Kilmarnock: Two services were leaking from the pipe bent over at the corp. stop in one service and a split in the pipe on the other service. The services were 2.5ft apart and one without a tap saddle and one with. Although all the services were installed when the subdivision was built it is strange they all don't have saddles. I guess the contractor saved some money and no one to inspect. The use of the Vacuum Truck makes for excavating around other utilities like the 2" gas main in Kilmarnock subdivision the best way for repairs. There is a large gas main above the watermain and services, probably the cause of the leaks and many of the other leaks in that area. The gas main was horizontally drilled along the watermain and many services and one very large mainline hole was caused at the time of installation.

2. 4774 Kilmarnock: Snifter valve cap rotted off and leaked for two hours through the meter. These caps are starting to fail more and more it seems. The meter installations are now 15 years old and although the meter setters with dual checks are working great the .25\$ caps are deteriorating. If the threads are ok we are able to replace the cap but if not we are using a stainless screw to plug the hole to fix.

**Langley Lake:**

The lake is barely overflowing and the culverts have almost dried up. It's still early yet but the water is doing very well so far this year. There has been a lot of elk tracks rutting the downside of the dam on both sides of the spillway.

**Water Quality:**

The Turbidity levels have been very good for over a month and it's been under 1.0 NTU in the raw water coming from the lake. In the treated water from McLeod Reservoir it's been under 1.0 NTU since Feb.18th and its on average 0.4NTU. The lack of real heavy rainfall, some large leak repairs and the regular flushing of the transmission line to the lake has made a big impact on water quality. The chlorine dosage has been turned down to roughly 2lbs/day which is as low as it's ever been and chlorine residuals are still at Ministry of Health Standards.

**Water Stats:**

IN: 0.71 NTU

OUT: 0.41 NTU

Chlorine: 1.75 ppm free

Water Consumption: 382m3 per day.

Langley Lake Height: 2cm

Water Temp: 5.4 Deg. Celsius

**Respectively Submitted Danny McGill UBID Public Works Superintendent**