



TO: Committee of the Whole

FROM: Alyshia Neuman- Manager of Works and Operations

DATE: March 2, 2021

RE: 2nd Street SW Water Issues

ISSUE:

Customers have come forward with water issues that need resolution and direction from council.

BACKGROUND:

As per policy P2010-003 Waterworks Quality Assurance/Quality Control, Town of Wadena understands that supplying good quality drinking water is essential to the continued growth, prosperity, and wellbeing of our citizens. We are committed to managing all aspects of our water system effectively to provide safe and aesthetically appealing water that tastes good and is free from objectionable colour or odour. It is our policy that the drinking water we provide will meet or exceed the quality provided by the quality standards required by *The Waterworks and Sewage Works Regulations*.

ALTERNATIVES:

- 1) Research a bleeder system to put at the end of the line on the hydrant on 3rd ST SW for year round water flow .
- 2) Loop the system on Wadena Avenue and 1st Avenue South.
- 3) Dig in front of the concerning properties to ensure that the water line was installed correctly.
- 4) Dig in front of the concerning properties and loop the system on Wadena Avenue and 1st Avenue South.

FINANCIAL IMPLICATIONS:

The cost of any alternative needs to be researched for more information and will need to be returned to council for further evaluation.

ANALYSIS:

Our water distribution system in the Town has been designed as a tree branch and this starts to cause issues when a dead end of this system is found. Prior to these customers coming forward this year, in 2019 a hydrant was put at the end of the branch on 3rd SW to aid in flushing these lines, but this method does not work very well in the winter months. Even when flushing is complete, and we are producing quality treated water from the WTP they still have issues with their water quality. With tree branch systems the water is moving slower when there is a demand of the water which can cause sedimentation issues as we see on 2nd ST SW and 3rd ST SW. This might not be the issue. When the water line was installed was it installed at an incorrect angle causing this sedimentation to pool at these customers properties causing their water quality to be decreased as some others on the block have no water quality issues.

ADMINISTRATIVE RECOMMENDATION(S):

Administration requests direction from committee of the whole on which alternative to move towards and to collect information on cost to bring back to the committee/council.