



Making a difference...together

MINUTES OF A MEETING OF THE Magic Lake Estates Water and Sewer Committee, held Tuesday, December 14, 2021 at 9:30 a.m., Goldstream Conference Room, 479 Island Highway, Victoria, BC

PRESENT: **Committee Members:** M. Fossil (Chair); K. Heslop; J. Deschenes; P. Brent (EP)
Staff: I. Jesney, Senior Manager, Infrastructure Engineering; Matt McCrank, Senior Manager, Wastewater Infrastructure Operations (EP); Malcolm Cowley, Manager, Regional Wastewater; Denise Dionne, Administrative Coordinator; Mikayla Risvold, Committee and Administrative Clerk (recorder)

REGRETS: D. Howe, Electoral Area Director; W. Foster; D. Reed

EP = Electronic Participation

The meeting was called to order at 9:30 a.m.

1. ELECTION OF CHAIR

The Senior Manager called for nominations for the position of Chair of the Magic Lake Estates Water and Sewer Committee for the term ending October 31, 2022.

K. Heslop nominated M. Fossil. M. Fossil accepted the nomination.

The Senior Manager called for nominations a second time.

The Senior Manager called for nominations a third and final time.

Hearing no further nominations, the Senior Manager declared M. Fossil Chair of the Magic Lake Estates Water and Sewer Committee for the term ending October 31, 2022 by acclamation

2. APPROVAL OF AGENDA

MOVED by K. Heslop, **SECONDED** by P. Brent,
That the agenda be approved.

CARRIED

3. ADOPTION OF MINUTES

MOVED by J. Deschenes, **SECONDED** by K. Heslop,
That the minutes of the October 26, 2021 meeting be adopted.

CARRIED

4. CHAIR'S REMARKS

The Chair thanked K. Heslop for her many years as service as Chair.

5. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

6. COMMITTEE BUSINESS

6.1. Water Update [verbal]

I. Jesney provided a verbal update on the following:

Design and Construction Buck Lake & Magic Lake Adjustable Intakes

Conceptual design drafted and circulated with Operations staff on operational requirements. Detailed design started on anchoring design with tendering in the spring.

Safety Improvements (Undertaken by Operations)

Minor improvements, such as danger tree removal, completed, with major improvements, such as vehicle pull-out for sampling in progress. Works completed to date within budget, with remaining work anticipated to be within remaining budget.

WTP SCADA Hot Standby (Undertaken by Operations)

Equipment installed, and functional, completed within budget.

Shingle Creek Diversion Channel

During the recent rain event, Shingle Creek overtopped the diversion structure used to direct water into Buck Lake. The diversion channel subsequently overflowed its banks creating flooding on an adjacent property. There are no remedial actions planned at this time.

The Committee asked if there was any flooding damage to the adjacent property. Staff advised they are not aware of any damage, however the owner advised there was minor flooding of an outbuilding. Sandbags were placed along a part of the channel by the property owner.

6.2. Wastewater Update [verbal]

M. Cowley provided a verbal update on the following:

Collection System Upgrades

- Triahn Enterprises Ltd. has completed all of the pipe installation and paving work and is now completing deficiencies and clean-up work.
- The extreme rain events caused some damage to work that was nearly completed and identified some tie-in manholes that were not yet plugged and sealed from the old sewer system. This interim state did result in allowing some inflow and infiltration into the system.
- Staff shared photos with the Committee of rainwater damage due to rain events.
- The new pipe and manholes look good with no signs of infiltration. However, there are about 8 tie-in manholes that need to be better sealed. The contractor has been given a deficiency list and is working on completing them. He may have to come back in the spring to complete some items like ground settlement, seeding, etc. under the one-year warranty.
- The actual construction cost to end of October is \$1,823,391. The estimated cost to complete the contract is about \$2.25 million depending on the final quantities. The cost is higher than the initial \$2 million budget estimate primarily because of increased rock removal and house connection quantities (many properties have two connections).

Investing in Canada Infrastructure Grant – Pump Station and Wastewater Treatment Plant Upgrades - Phase 2 and 3

- A Request for Proposal (RFP) was issued on October 29 and closed on December 6 to request proposals from consultants to design the upgrades. Staff are currently evaluating the four proposals that were received and will provide a recommendation to the Committee and our CAO in January 2022.
- The scope of work to be completed under the grant generally includes:
 - Renewing 6 pumpstations (Buccaneer, Galleon, Schooner, Capstan, Cutlass, Masthead)
 - Replacing Cannon Wastewater Treatment Plant (WWTP) with a new pumpstation
 - Upgrading Schooner WWTP (new headworks, Equalization Tank (EQ tank), aeration tank, clarifiers, genset)
- The plan is to complete the design by summer 2022, tender in late summer, and start construction in the fall.

Updates will be posted on the CRD website and can be included in the Pender Post as the design work progresses.

Discussion ensued and staff responded to questions from the Committee regarding:

- The inflow and infiltration (I&I) impacts on both Cannon and Schooner WWTP's. Staff advised that slightly higher flows are being seen in both locations. Staff observed that majority of the I&I is coming from the Cutlass section, which flows down to Cannon. Staff observed a defect on the existing pipes underneath Cutlass Road beneath the pump station which is being repaired this week, noting there was an excessive amount of water flow during the storms.
- Excessive flows coming in from private connections. Staff advised the best way to address the private excessive flows is primarily by education.
- Technology or monitoring to see the flow, and where it is coming from. Staff advised there are flow meters at the plants. There are currently no flow meters at the pumpstation. There are temporary meters that can be installed to measure flows on an interim basis.
- Swamp area on phase three pipe replacement. Staff advised remaining funds from the grant will go towards the final pipe replacement project, subject to costs of the plant and funds being available.

6.3. Operations Update [verbal]

M. McCrank provided a verbal update on the following:

Water Operations Highlights:

- Oct 18th – Hydrant Inspections completed.
- Nov 1st – Frigate Reservoir draining, cleaning and inspection.
- Nov 4th – Captains Reservoir draining, cleaning and inspection.
- Nov 5th – Water system leak repairs and environmental reporting 2711 Privateers Road.

Wastewater Operations Highlights:

- Oct 25th – Windstorm response; extended hydro outage resulting in pump station septage hauling services to prevent sewage spills
- Nov 14/15th – Rainfall storm response; overflows at Schooner and Cannon WWTPs resulting in flooding of the facilities.
- Nov 24th – Chart Drive Pump Station site ground well pump replacement.

Capital Improvement work by Infrastructure Operations:

- Nov 10th – Water Service Connection for 27138 Schooner Way completed.

6.4. Grants Discussion [verbal]

Staff advised the CRD received the final agreement from the Province, which has been executed.

7. CORRESPONDENCE

There was no correspondence.

8. NEW BUSINESS

There was no new business.

9. ADJOURNMENT

MOVED by K. Heslop, **SECONDED** by J. Deschenes,
That the December 14, 2021 meeting be adjourned at 10:06.

CARRIED

CHAIR

SECRETARY