



Making a difference...together

MAGIC LAKE ESTATES WATER AND SEWER COMMITTEE
Notice of Meeting on **Tuesday, January 9, 2018 at 9:30 a.m.**
Main Conference Room, 479 Island Highway, Victoria, BC

Kathy Heslop (Chair)
Director Dave Howe

David Reed
Wally Foster

Michael Fossil
Alex Wilson

Joe Gill

AGENDA

1. Approval of Agenda
2. Adoption of Minutes of November 14, 2017
3. Motion to Close the Meeting
That the Magic Lake Estates Water and Sewer Committee close the meeting in accordance with the Community Charter, Part 4, Division 3, 90(1)(g) litigation or potential litigation affecting the municipality.
4. Water Update (verbal report with handout)
5. Wastewater Update (verbal report with handout)
6. Operations Update (verbal report with handout)
7. 2018 Meeting Schedule
8. Correspondence
9. New Business
10. Adjournment

To ensure quorum, advise Lorrie Siemens 250.360.3087 or lsiemens@crd.bc.ca if you cannot attend.



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January 9, 2018

File: 0360-20

Magic Lake Estates Water and Sewer Committee

Magic Lake Estates Water Service

Magic Lake North Dam

- The CRD will continue to seek private property access rights to parcel 3806 Pirates Road, similar to that obtained for the adjacent property in order to allow for the dam to be located on private property and for the CRD to gain access for operation and maintenance tasks.

Magic Lake Dam Safety Upgrade (Siphon):

- Recent Progress – Testing November 14th of the existing siphon proved there maybe a leak in the pipe, low pressure testing of the pipe will be conducted to verify pipe integrity. If inconclusive other cost effective options for lowering the water level in Magic Lake will be explored.

Buck Lake Dam Freeboard Alterations:

- Recent Progress –Big Dig-Em removed every forth barrier for salamander migration and cleaned up grading from removed barriers with additional gravel. Work was undertaken the week of December 18th, and came within budget.

Prepared by: Scott Mason and Dale Puskas.



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MAGIC LAKE ESTATES WASTEWATER

Wastewater Infrastructure Projects – Phase 1 Update

Sewer Pipe Replacement – Buck Lake & Privateers Road

- Detailed design is being completed.
- Arrange for contractor(s) to assess the site and provide constructability advice.
- Prepare property restoration sketches and start meetings with homeowners.
- Issue tender in the spring and start construction in the summer 2018.

Inflow & Infiltration Program

- Cleaning, CCTV and manhole (MH) inspections are complete and draft reports for the sewer area have been received (some sewer sections could not be inspected due to blocked access).
- The draft reports are currently being reviewed. Initial results indicate some good areas but also some major defects. A final report summarizing all inspection results will be prepared.

Wastewater Projects - 2017 Capital Plan

Schooner Outfall Protection

- The remediation of the concrete cap protecting the Schooner Outfall is complete. The final cost for this project was \$24,614 (the budget was \$30,000).

Phase 2 Wastewater Infrastructure Upgrades – Public Consultation

- Conceptual upgrades to Schooner WWTP are being evaluated to address the numerous health and safety issues, process issues, lack of automation, and lack of redundancy which all contribute to significant plant concerns and high operating costs.
- Conceptual cost estimates will be prepared for the conceptual upgrades and an open house will be scheduled in 2018 to present the information.

Report Prepared by: Malcolm Cowley



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OPERATIONS REPORT

Water Operations Highlights:

- Emergency water main leak repair near 3703 Signal Hill Road.

Wastewater Operations Highlights:

- Capstan Pump Station wet well facility access hatch assembly failure. Access hatch to be replaced.
- Emergency response to the Chart Drive Wastewater Pumping Facility as a result of an extended power outage.
- Additional grit removal from various pumping facilities as a result of the sanitary collection system flushing and inspection capital work.
- Schooner Wastewater Treatment Plant failed sewage grinder electric motor replaced.
- Schooner Wastewater Treatment Plant return activated sludge pump replaced due to wear and deterioration.
- Capstan Pump Station high level alarm emergency response. Failed control float switch was the result of the alarm. All control float switches replaced due to age.
- Operating Permit Regulatory Non-compliance reporting for November and December 2017:

Facility	# of Reports Issued for Nov. and Dec.	Total # of Reports Issued 2017	Cause
Schooner WWTP	5	16	UV failure (effluent disinfection system) as a result of power outages (typically).
Schooner Pump Station	2	3	Occurred in November and December during an extended power system outage. Raw sewage discharged into the marine environment.
Cannon WWTP	16	33	Exceeding maximum daily flows due to storm water entering through I&I.

Capital Improvement work:

- Magic Lake Syphon improvements continue. Unable to flow test the system. Technical review pending.

Prepared by: Dan Robson and Matt McCrank, Integrated Water Services