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SAANICH PENINSULA WASTEWATER COMMISSION
 Notice of Meeting on **Thursday, March 16, 2023 at 9:35 am**
 Meeting Room, Sidney Community Safety Building (Fire Hall),
 2245 Oakville Avenue, Sidney BC

For members of the **public who wish to listen to the meeting** via telephone please call **1-833-353-8610** and enter the **Participant Code 1911461 followed by #**. You will not be heard in the meeting room but will be able to listen to the proceedings.

D. Kelbert (Chair)

M. Doehnel (Vice Chair)

S. Duncan

D. Halldorson

P. Jones

Z. King

C. McNeil-Smith

C. Pinches

S. Shrivastava

R. Windsor

AGENDA

1. TERRITORIAL ACKNOWLEDGEMENT

2. APPROVAL OF AGENDA

3. ADOPTION OF MINUTES3

Recommendation: That the minutes of the January 19, 2023 meeting be adopted.

4. CHAIR'S REMARKS

5. PRESENTATIONS/DELEGATIONS

Delegations will have the option to participate electronically. Please complete the [online](#) application for "Addressing the Board" on our website and staff will respond with details.

Alternatively, you may email your comments on an agenda item to the Saanich Peninsula Wastewater Commission at iwsadministration@crd.bc.ca. Requests must be received no later than 4:30 p.m. two calendar days prior to the meeting.

6. GENERAL MANAGER'S REPORT

7. COMMISSION BUSINESS

7.1. Review of Septic Tank Disposal Options for Saanich Peninsula Residents6

There is no recommendation, the report is for information only.

7.2. Saanich Peninsula Wastewater Service Projects and Initiatives Update8

There is no recommendation, the report is for information only.

*To ensure quorum, advise **Denise Dionne**, ddionne@crd.bc.ca if you cannot attend.*

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8. NOTICE(S) OF MOTION

9. NEW BUSINESS

10. ADJOURNMENT

Next Meeting: Thursday, May 18, 2023



MINUTES OF A MEETING OF THE Saanich Peninsula Wastewater Commission, held Thursday, January 19, 2023 at 10:30 a.m., Sidney Community Safety Building, 2245 Oakville Ave., Sidney BC

PRESENT: Commissioners: D. Kelbert (Chair); M. Doehnel (Vice Chair); S. Duncan; D. Halldorson; C. Stock for P. Jones; Z. King (EP); C. McNeil-Smith; C. Pinches; S. Shrivastava (EP); S. Riddell for R. Windsor

Staff: I. Jesney, Acting General Manager, Integrated Water Services; G. Harris, Senior Manager, Environmental Protection; J. Marr, Acting Senior Manager, Infrastructure Engineering; J. Dales, Senior Manager, Infrastructure Wastewater Operations; D. Robson, Saanich Peninsula and Gulf Islands Operations, Infrastructure Operations; D. Dionne, Administrative Coordinator, Integrated Water Services (Recorder)

Also in attendance: W. Helgason

REGRETS:

EP = Electronic Participation

The meeting was called to order at 10:28 am.

1. TERRITORIAL ACKNOWLEDGEMENT

An Acknowledgement was provided in the preceding meeting.

2. ELECTION OF CHAIR

The Acting General Manager called for nominations for the position of Chair of the Saanich Peninsula Wastewater Commission for a one-year term ending December 31, 2023.

Commissioner King nominated Commissioner Kelbert. Commissioner Kelbert accepted the nomination.

The Acting General Manager called for nominations a second time.

The Acting General Manager called for nominations a third and final time.

Hearing no further nominations, the Acting General Manager declared Commissioner Kelbert Chair of the Saanich Peninsula Wastewater Commission for a one-year term ending December 31, 2023 by acclamation.

3. ELECTION OF VICE CHAIR

Chair Kelbert called for nominations for the position of Vice Chair of the Saanich Peninsula Wastewater Commission for a one-year term ending December 31, 2023.

Chair Kelbert nominated Commissioner Doehnel. Commissioner Doehnel accepted the nomination.

Chair Kelbert called for nominations a second time.

Chair Kelbert called for nominations a third and final time.

Hearing no further nominations, Chair Kelbert declared Commissioner Doehnel Vice Chair of the Saanich Peninsula Wastewater Commission for a one-year term ending December 31, 2023 by acclamation.

4. APPROVAL OF AGENDA

MOVED by Alternate Commissioner Stock, **SECONDED** by Commissioner McNeil-Smith,
That the agenda be approved.

CARRIED

5. ADOPTION OF MINUTES

MOVED by Alternate Commissioner Stock, **SECONDED** by Commissioner Duncan,
That the minutes of the September 22, 2022 meeting be adopted.

CARRIED

6. CHAIR'S REMARKS

The Chair remarked on his beliefs for inclusivity of everyone on the Commission, good governance between the Commission and staff and how important and critical the infrastructure is.

7. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

8. GENERAL MANAGER'S REPORT

There was no report.

9. COMMISSION BUSINESS

9.1. Presentation – Saanich Peninsula Wastewater Commission Orientation

Staff provided the presentation and responded to questions from the Commission.

Discussion ensued regarding biosolids:

- Landfilling as controlled waste instead of being put through the Residuals Treatment Facility (RTF)
- Continued issues with Lafarge unable to receive materials from the RTF
- Unable to accept other municipal solid waste until the RTF receives functional completion
- Short-term options for beneficial use of Class A biosolids
- Storage and application of Class A biosolids issues
- The need for other alternatives and long-term planning
- Technologies and pilot projects

Commissioner Shrivastava left the meeting.

There was a discussion regarding Development Costs Charges.

Staff noted an error on Slide 15, Service Budget, the Total Wastewater Capital is \$2.77 million not \$282,000 as indicated on the slide. Staff will provide links to budget reports from September.

There is no recommendation, the presentation is for information only.

10. SAANICH PENINSULA WASTEWATER COMMISSION MEETING SCHEDULE

Regular meetings of the Saanich Peninsula Wastewater Commission shall be held on the third Thursday bi-monthly, commencing immediately following the Saanich Peninsula Water Commission, unless otherwise determined.

There are two dates that deviate from this schedule as follows:

- September 28 (instead of September 22) – Due to Union of BC Municipalities
- October 19 (special additional meeting for provisional budget review)

11. NOTICE(S) OF MOTION

12. NEW BUSINESS

Discussion ensued regarding septic disposal from Saanich Peninsula residents.

MOVED by Commissioner Doehnel, **SECONDED** by Alternate Commissioner Stock,
The Saanich Peninsula Wastewater Commission directs staff to investigate the feasibility of delivering septic pumpout from Saanich Peninsula residents directly to the Saanich Peninsula Wastewater Treatment Plant.

CARRIED

MOVED by Commissioner McNeil-Smith, **SECONDED** by Alternate Commissioner Stock,
That same day consideration of the motion be approved.

CARRIED

13. ADJOURNMENT

MOVED by Alternate Commissioner Stock, **SECONDED** by Commissioner McNeil-Smith,
That the January 19, 2023 meeting be adjourned at 11:22 am.

CARRIED

CHAIR

SECRETARY



REPORT TO SAANICH PENINSULA WASTEWATER COMMISSION MEETING OF THURSDAY, MARCH 16, 2023

SUBJECT Review of Septic Tank Disposal Options for Saanich Peninsula Residents

ISSUE SUMMARY

The Saanich Peninsula Wastewater Commission (SPWWC) directed staff to investigate the feasibility of delivering septic tank waste from Saanich Peninsula residents directly to the Saanich Peninsula Wastewater Treatment Plant (SPWWTP).

BACKGROUND

Septic tank waste is the liquid and solid material pumped from a septic tank. The waste consists of the liquid within the tank, surface scum, floatable material and sludge from the bottom that has accumulated since the last pump-out. All septic tank waste in the capital region is transported by private haulers as septage to a private treatment facility (Septage Processing Ltd. [SPL] in Langford) that is under contract with the Capital Regional District (CRD) to receive the region's septage for treatment before discharge to the CRD sewer system. Septage (also called trucked liquid waste) includes septic tank waste, as well as other wastes that do not meet the sewer discharge requirements of CRD Bylaw No. 2922 (Sewer Use Bylaw), such as material from catch basins, portable toilets, oil and grease interceptors, and high-strength brewery and dairy waste.

CRD Bylaw No. 2827 (Septage Disposal Bylaw) sets out the requirement for the disposal of septage at a septage disposal facility (e.g., SPL) and a prohibition for the discharge of septage waste via direct or indirect connection to a sewer or drain except at a septage disposal facility. In addition, the quality criteria for discharge in Bylaw No. 2827 assumes septage is treated prior to discharge to the sewage system.

Discharges into septic systems are not regulated by the requirements of the Sewer Use Bylaw because these systems are not connected to the CRD or municipal sewage infrastructure. CRD Bylaw No. 3479 (Onsite Sewage System Maintenance Bylaw) regulates the maintenance of septic systems in Colwood, Langford, Saanich and View Royal but not the substances discharged into septic systems. Septic system users in the other nine municipalities and three electoral areas of the capital region are served by educational programs on best practices for onsite sewage system maintenance and operation.

There are jurisdictions that accept septic tank waste at their sewage treatment plants or nearby at a transfer station. For example, Metro Vancouver and City of Calgary accept these wastes and either do pre-treatment solids removal or accept waste as a "no tip" discharge to retain solids in the truck for disposal elsewhere. In the capital region, the septage waste facility model was chosen to provide pre-treatment of these high-strength, unregulated, variable wastes before acceptance to municipal and CRD infrastructure. As with regular sewage, the waste may contain obstructive material such as fat, oil and grease, wipes, paper towels, dental floss, and other non-flushable products. The SPWWTP currently has no infrastructure or procedures in place for accepting septic tank waste.

CONCLUSION

In the capital region, septic tank waste is collected by private haulers who deliver the waste to a facility in Langford for pre-treatment before discharge to the CRD core area wastewater system. Septic tank waste composition is unregulated, variable in composition and due to the nature of septic tank function, may contain higher-strength waste or higher solids than residential sewage discharge to sanitary sewers. The Saanich Peninsula Wastewater Treatment Plant has no infrastructure in place to accept these wastes from septic waste haulers.

RECOMMENDATION

There is no recommendation. This report is for information only.

Submitted by:	Glenn Harris, Ph.D., R.P.Bio., Senior Manager, Environmental Protection
Concurrence:	Larisa Hutcheson, P. Eng., General Manager, Parks & Environmental Services
Concurrence:	Ian Jesney, P.Eng., Acting General Manager, Integrated Water Services
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

**REPORT TO SAANICH PENINSULA WASTEWATER COMMISSION
MEETING OF THURSDAY, MARCH 16, 2023**

SUBJECT **Saanich Peninsula Wastewater Service Projects and Initiatives Update**

ISSUE SUMMARY

To provide the Saanich Peninsula Wastewater Commission with updates regarding ongoing projects and initiatives.

BACKGROUND

In the process of delivering the Saanich Peninsula Wastewater 2023 Capital Plan there are several projects and initiatives that are underway. Although there are projects identified in the 2023 Capital Plan that have not been started, the following is an update on some of the more significant projects that are underway and upcoming. The projects are described in detail below and shown in Appendix A.

20-02 | Oxidation Ditch Aeration Improvements

Scope

This project was initiated based on concerns with low dissolved oxygen from the Saanich Peninsula Wastewater Treatment Plant (WWTP) during low flow, high load periods and originally contemplated the possibility of needing to fully replace the aerators. Based on detailed assessment, the current equipment was able to be better optimized to increase performance. The Capital Regional District (CRD) intends to proceed with this scope to further optimize and automate controls without full replacement.

Budget

The overall project budget has been reduced from \$800,000 to \$200,000 with the savings anticipated from optimizing existing equipment. To date \$140,000 has been spent and it is anticipated to spend the remaining \$60,000 in 2023.

Schedule

Initial optimization has been completed and a draft summary report is in hand from the consultant, HDR Corporation, which summarizes the optimization work to date. In 2023, work is anticipated to continue with additional field verification and controls improvements.

Community Impacts/Permits

This project is within the Saanich Peninsula WWTP site and community impacts are negligible. This optimization has allowed the WWTP to maintain dissolved oxygen below the levels stipulated in the operating permit.

23-03 | Odour Control Upgrade Construction

Scope

Following completion of the initial assessment and pre-design by Kerr Wood Leidal in 2021/2022, CRD will proceed with odour control upgrades to numerous spaces at the Saanich Peninsula WWTP to meet health and safety requirements and mitigate ongoing corrosion in some concrete tanks.

Budget

The overall budget for this project is set at \$1.5 million with \$1 million being allocated in 2023.

Schedule

This project has not yet progressed to detailed design. More detailed scheduling will be available once internal resources become available to progress the detailed design.

Community Impacts/Permits

Community impacts are anticipated to be minimal. Permitting requirements will be further refined during the detailed design stage.

20-03 | Trunk Sewer Relining

Scope

This project is for the rehabilitation of trunk sewer mains utilizing cured-in-place-pipe (CIPP) technology. The CIPP rehabilitation will maintain pipeline integrity while minimizing construction related disruption. Work tendered for 2023 construction includes approximately 650m of 600mm concrete pipe.

Budget

The overall budget for this project is set at \$1.1 million with \$1.0 million being allocated in 2023.

Schedule

Construction tendering is complete and Notice of Award was provided to Capital Sewer Services Inc. (CSS) on February 8, 2023. CRD is awaiting a detailed construction schedule from CSS but anticipate this contract being completed in 2023.

Community Impacts/Permits

The Cured-in-place pipe rehabilitation method will greatly reduce the impact from construction, due to the minimized excavation requirements and expedited construction window. Localized traffic impacts are still to be expected during work while crews are set up at various manhole locations along the alignment. A permit to work in the road allowance will be required from the Town of Sidney.

CONCLUSION

In the 2023 Capital Budget for the Saanich Peninsula Wastewater Service there are nine projects proposed with a combined budget of \$3,060,000. This report summarizes the scope, budget, schedule and community impacts/permits of three projects that represent approximately 67% or \$2,060,000 of the 2023 budget.

RECOMMENDATION

There is no recommendation, the report is for information only.

Submitted by:	Jared Kelly, P.Eng., Manager, Capital Projects
Concurrence:	Joseph Marr, P.Eng., Acting Senior Manager, Infrastructure Engineering
Concurrence:	Ian Jesney, P. Eng., Acting General Manager, Integrated Water Services
Concurrence:	Ted Robbins, B.Sc., C. Tech., Chief Administrative Officer

ATTACHMENT(S)

Appendix A: Saanich Peninsula Wastewater Service – Significant Project Locations

