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**SAANICH PENINSULA WASTEWATER COMMISSION**  
Notice of Meeting on **Thursday, July 20, 2023 at 9:30 am**  
Meeting Room, Sidney Community Safety Building (Fire Hall),  
2245 Oakville Ave, 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)      | P. Jones        | S. Shrivastava |
| M. Doehnel (Vice Chair) | Z. King         | R. Windsor     |
| S. Duncan               | C. McNeil-Smith |                |
| D. Halldorson           | C. Pinches      |                |

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**AGENDA**

- 1. TERRITORIAL ACKNOWLEDGEMENT
- 2. APPROVAL OF AGENDA
- 3. ADOPTION OF MINUTES .....3

*Recommendation: That the minutes of the March 16, 2023 meeting be adopted.*

- 4. CHAIR’S REMARKS
- 5. PRESENTATIONS/DELEGATIONS

**5.1. Presentations**

**5.1.1. Presentation: Sarah Cook: SeaChange Marine Conservation Society: Proposal to Update the Saanich Inlet and Peninsula Atlas of Shorelines (SIPAS)**

**5.2. 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](mailto: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

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*To ensure quorum, advise [iwsadministration@crd.bc.ca](mailto:iwsadministration@crd.bc.ca) if you cannot attend.*

**7. COMMISSION BUSINESS**

**7.1. Saanich Peninsula Wastewater Service Mid-Year Update.....6**

*There is no recommendation, the summary is for information only.*

**8. NOTICE(S) OF MOTION**

**9. NEW BUSINESS**

**10. ADJOURNMENT**

**Next Meeting:           Thursday, September 28, 2023**



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**MINUTES OF A MEETING OF THE Saanich Peninsula Wastewater Commission, held Thursday, March 16, 2023 immediately following the Saanich Peninsula Water Commission, Sidney Community Safety Building, 2245 Oakville Ave., Sidney BC**

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

**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; J. Kelly, Manger, Capital Projects, Infrastructure Operations; D. Dionne, Administrative Coordinator, Integrated Water Services (Recorder)

**Also in attendance:** Dale Puskas, Director of Engineering, District of Central Saanich

**REGRETS:** P. Jones

EP = Electronic Participation

The meeting was called to order at 10:05 am.

**1. TERRITORIAL ACKNOWLEDGEMENT**

An Acknowledgement was provided in the preceding meeting.

**2. APPROVAL OF AGENDA**

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

**CARRIED**

**3. ADOPTION OF MINUTES**

**MOVED** by Commissioner Duncan, **SECONDED** by Commissioner McNeil-Smith, That the minutes of the January 19, 2023 meeting be adopted.

**CARRIED**

**4. CHAIR'S REMARKS**

The Chair stated that he would like Commission members to consider finding presenters or topics to bring forward for discussion and to educate. The Chair stated that he is looking into getting a presentation from a specialist in the field of bioaccumulation, to speak to the Commission on the topic of pollutants in the wastewater stream.

**5. PRESENTATIONS/DELEGATIONS**

There were no presentations or delegations.

**6. GENERAL MANAGER'S REPORT**

There was no report.

## 7. COMMISSION BUSINESS

### 7.1. Review of Septic Tank Disposal Options for Saanich Peninsula Residents

G. Harris introduced the report and staff responded to questions from the Commission regarding:

- Sludge transportation
- What happens to the Residuals Solids from SPL when they arrive at the facility in Cowichan
- Pre-treatment process
- Quality differences between unregulated household septic and regulated biosolids
- Land application of Biosolids and Biosolids as fertilizer
- The feasibility of the Saanich Peninsula Wastewater Treatment plant being fitted to receive the Residuals

G. Harris left the meeting 10:23 am

The Commission asked staff to investigate the possibility of having a presentation from SPL Wastewater Recovery to show how septic disposal is handled.

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

### 7.2. Saanich Peninsula Wastewater Service Projects and Initiatives Update

J. Marr presented the report.

A discussion took place regarding the road route for the Sewer Relining project. Commissioner McNeil-Smith noted that Lochside is a significant entry route to Sidney and requested that consideration be given to timing outside of the busy summer season.

Staff will see if the contractor can conduct the work related to contract 20-03 during the months of May or June rather than through peak summer season.

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

## 8. NOTICE(S) OF MOTION

There were no notices of motion.

## 9. NEW BUSINESS

There was a discussion regarding the Sidney Pump Station and a new condo project being built beside it. Commissioner Halldorson noted that there could be odour complaints once people move in. Staff are not aware of any odour control issues at that location.

Commissioner McNeil-Smith also noted that during the rain event in the fall of 2021 Sidney was requested to put out notices to reduce use. Staff advised that it was a capacity issue due to overrun with rainwater and it didn't trigger any additional investigation to that location as there were a variety of issues with that particular storm event.

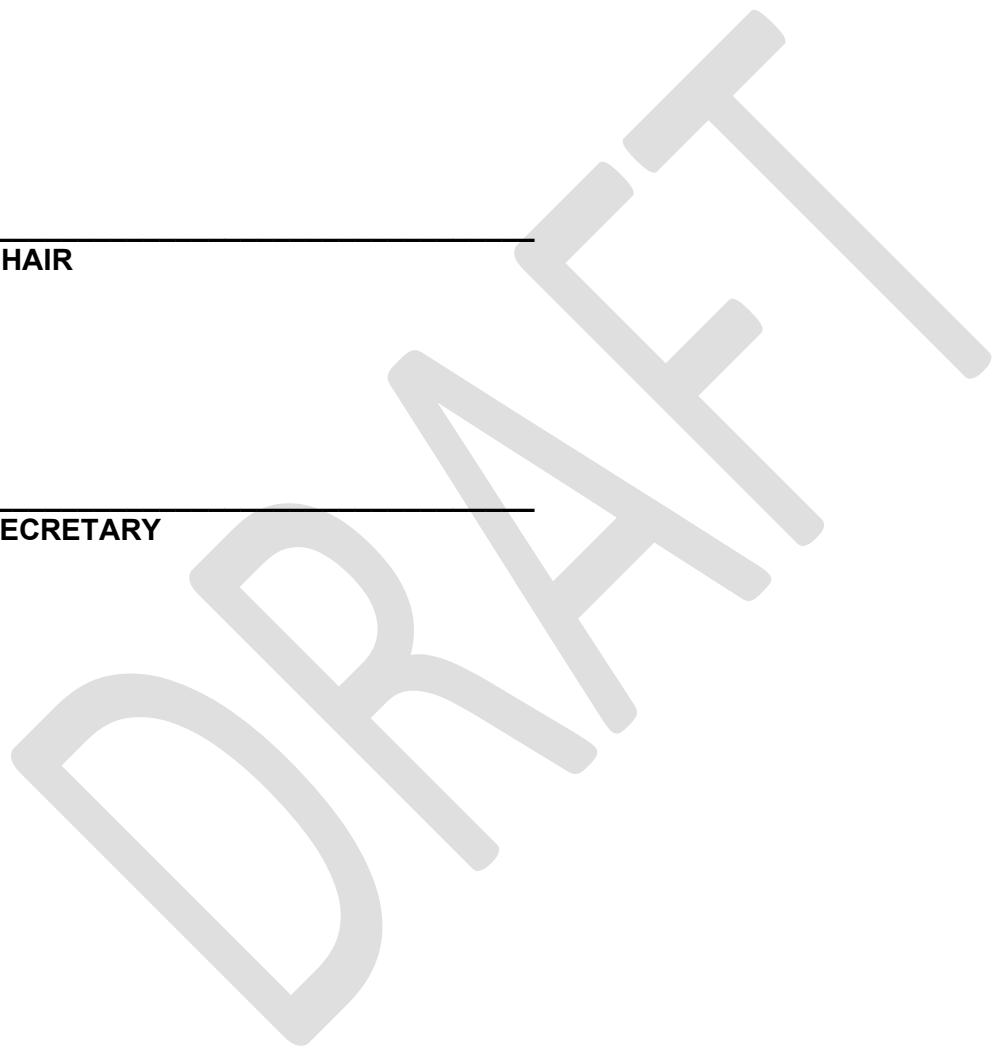
**10. ADJOURNMENT**

**MOVED** by Commissioner McNeil-Smith, **SECONDED** by Commissioner Halldorson,  
That the March 16, 2023 meeting be adjourned at 10:45 am.

**CARRIED**

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**CHAIR**

\_\_\_\_\_  
**SECRETARY**





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SPWWC 23-02

**REPORT TO SAANICH PENINSULA WASTEWATER COMMISSION  
MEETING OF THURSDAY, JULY 20, 2023**

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**SUBJECT Saanich Peninsula Wastewater Service Mid-Year Update**

**ISSUE SUMMARY**

To provide the Saanich Peninsula Wastewater Commission with a mid-year update on the Saanich Peninsula Wastewater operations and capital program.

**BACKGROUND**

**Capital Program Update**

The Saanich Peninsula Wastewater (SPWW) capital program reflects the planned capital spending for the next five years and forms part of the annual service budget that is approved in March each year by the Capital Regional District (CRD) Board. In 2023, there were 9 capital projects identified with an expenditure estimated at \$3,060,000. The status of the major projects progressing in 2023 is detailed in Appendix A. Additional smaller projects, such as the voice radio replacements and aerator optimization, are also underway.

**Operations Update**

The Saanich Peninsula and Gulf Islands Operations Team operates and maintains the Saanich Peninsula Wastewater Treatment Plant, Collection System and District Energy (Wastewater Heat Recovery) System which includes a routine operational and preventative maintenance program. The 2023 annual operating budget is \$4 million and is on target for a surplus at year end primarily due to an underspent biosolids disposal budget.

**Wastewater Treatment Plant**

The wastewater system typically treats and discharges approximately 3,600 megaliters of wastewater annually. At midyear 1,720 megaliters have been treated and discharged. There have been no exceedances of the facilities operating permit to date. The Ministry of Environment conducted a facility compliance inspection on April 12, 2023, and subsequently issued a non-compliance advisory letter that identified a few minor non-compliances of which are being addressed by the CRD.

**Wastewater Collection System**

The wastewater collection system includes the operations of the Sidney, Keating and Turgoose Pumping Stations (primary sites) and the collection system piping. The Keating Pump Station backup generator electrical alternator failed in late 2022. A temporary backup generator was procured and installed while repairs are being completed on the existing equipment. Collection system manhole inspections is a preventative maintenance program that occurs every five years. Manhole inspections and reporting was completed this year which will inform capital planning requirements.

**Saanich Peninsula Wastewater Commission – July 20, 2023**  
**Saanich Peninsula Wastewater Service Mid-Year Update**

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Biosolids Management:

Dewatered biosolids are hauled and disposed of at the Hartland Landfill site. On average the treatment facility produces approximately 4,000 metric tons of biosolids per year. To date, 2,020 metric tons of biosolids have been disposed of at the landfill site.

District Energy System

The District Energy System (DES) provides heat energy for the Panorama Recreation Center (PRC). The annual operating budget for the DES is approximately \$120,000 and is expected to be on budget at year end. Revenue generated through energy sales to the PRC mid-year is approximately \$50,000 which is above mid-year targets primarily due to steady state operations due to fewer system breakdowns that have occurred in previous years.

Operational Annual Provisional Items:

The annual provisional account is in the services five-year capital plan and was established to provide funding for unplanned repairs/replacements that are outside of the operating budget contingencies. Unplanned repairs and replacements at mid-year are identified in the following table.

<b>Project Number</b>	<b>Project Title</b>	<b>Project Budget</b>	<b>Status</b>
18-10	Equipment Replacement – Annual Provisional	\$150,000	Project 1: Keating Pump Station Standby Power Alternator Replacement (\$85,000) Project 2: Keating Pump Station VFD Capacitor Replacement (\$10,000) Project 3: Wastewater Treatment Plant Davit Crane Replacement (\$5,000) Project 4: Wastewater Treatment Plant Sludge Density Meter Replacement (\$20,000)

**CONCLUSION**

This report provides the Saanich Peninsula Wastewater Commission with operational and capital program updates for the Saanich Peninsula Wastewater Service.

**RECOMMENDATION**

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

Submitted by:	Joseph Marr, P.Eng., Acting Senior Manager, Infrastructure Engineering
Submitted by:	Jason Dales, B.Sc., WD IV, Senior Manager, Wastewater Infrastructure Operations
Concurrence:	Ian Jesney, P. Eng., Acting General Manager, Integrated Water Services
Concurrence:	Larisa Hutcheson, P. Eng., General Manager, Parks & Environmental Services
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

**ATTACHMENT(S)**

Appendix A: Saanich Peninsula Wastewater Service Capital Program – Current Status of Active Projects.

Appendix B: Saanich Peninsula Wastewater– Significant Project Locations

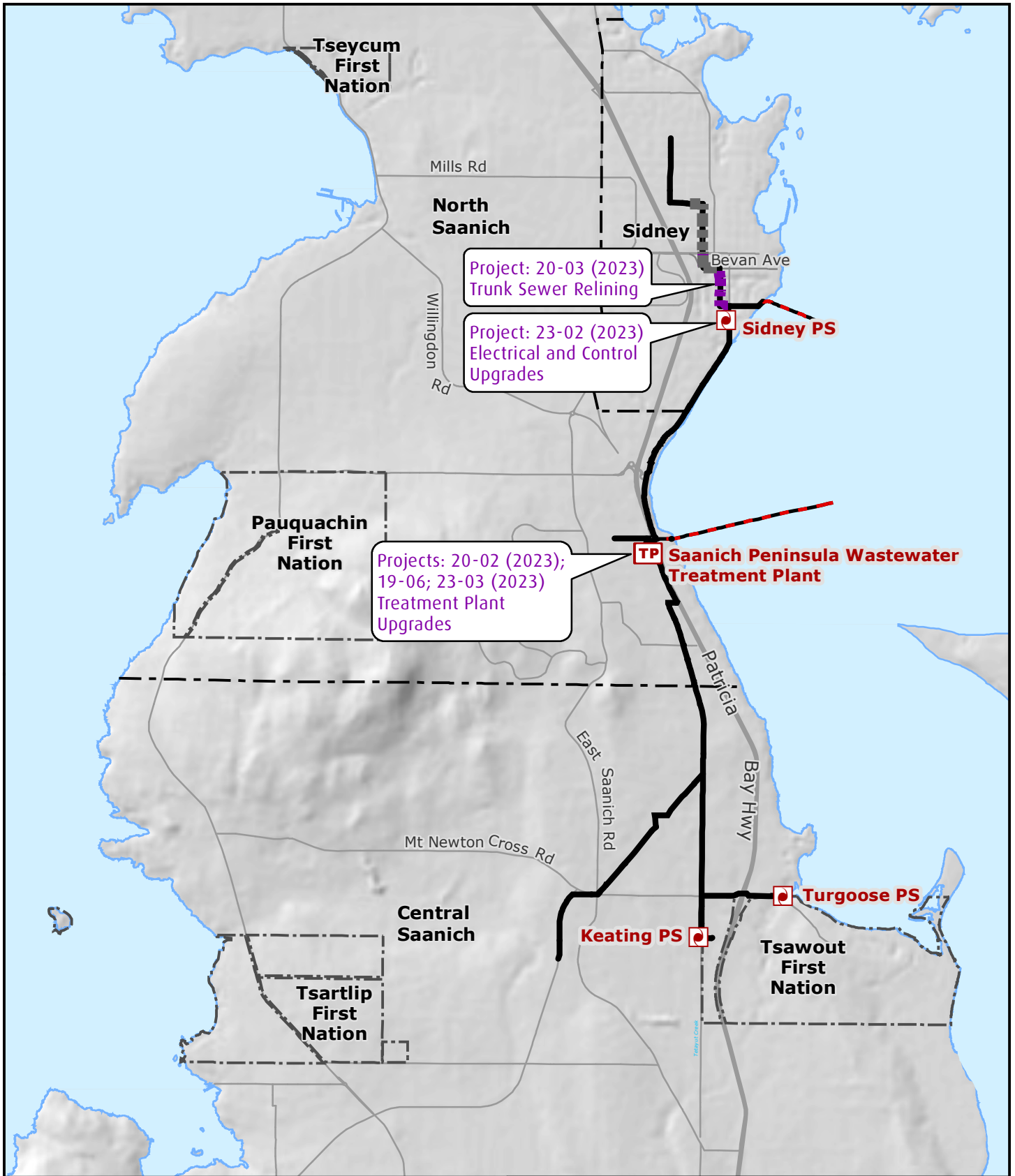
## Appendix A

## Saanich Peninsula Wastewater Capital Program – Current Status of Active Projects

Project Number	Project Title	Total Budget	Status
19-06	Odour Control Upgrades	\$575,000	Odour Control upgrades are required to prevent ongoing corrosion and improve health and safety of frequently accessed treatment areas. This project is advancing design of the conceptual design and recommendations from KWL's Odour Control Program Study completed in 2018 for the Saanich Peninsula Wastewater Treatment Plant (WWTP). A consultant (HDR) has been engaged to complete design, tendering, and construction services for the upgrades. Detailed design is starting and anticipated to be completed fall 2023.
20-02	Optimize Aerators in Oxidation Ditches	\$200,000	This project was initiated with concern over aeration performance of the oxidation ditches at Saanich Peninsula WWTP. Further assessment-led to optimization of current setpoints without the need of full-scale equipment replacement. Further optimization and automation is now being reviewed.
23-03	Odour Control Upgrade Construction	\$1,500,000	This project will commence following completion of design and tender of Capital Project #19-06.
23-02	Electrical and Control Upgrades	\$120,000	Replacement of Sidney PS PLC and RTU's that are no longer supported. Planning work is underway in 2023. Work is anticipated to continue into 2024.
20-03	Trunk Sewer Relining	\$1,100,000	A Construction Contract was awarded to Capital Sewer Services and work plans are being submitted for review. Work is between the Sidney Pumpstation and Bevan Avenue and is anticipated to be completed by end of 2023.

- Project Numbers refer to project numbers from the 2023 Capital Plan.
- The projects listed above are not inclusive of all capital projects currently underway. Smaller scale projects have been omitted from this list for clarity.





0 250 500 1,000 1,500 Metres

UTM Zone 10N NAD 1983



### Saanich Peninsula Wastewater Significant Project Locations



Figure 1

**DISCLAIMER**

This map is for general information only and may contain inaccuracies.  
July 2023 | 2023\_SPWW\_ProjectLocations\_AppendixA.mxd | helpdesk@crd.bc.ca