



Notice of Meeting and Meeting Agenda Saanich Peninsula Wastewater Commission

Thursday, March 20, 2025

9:35 AM

Sidney Community Safety Building
2245 Oakville Ave., Sidney, BC

Members of the public can view the live meeting via MS Teams link: [Click Here](#)

D. Kelbert (Chair); M. Doehnel (Vice Chair); E. Diller; D. Halldorson; P. Jones; Z. King
C. McNeil-Smith; R. Novek; S. Shrivastava; R. Windsor

The Capital Regional District strives to be a place where inclusion is paramount and all people are treated with dignity. We pledge to make our meetings a place where all feel welcome and respected.

1. Territorial Acknowledgement

2. Approval of Agenda

3. Adoption of Minutes

3.1. [25-0301](#) Minutes of the Saanich Peninsula Wastewater Commission Meeting of January 16, 2025

Recommendation: That the minutes of the Saanich Peninsula Wastewater Commission meeting of January 16, 2025 be adopted as circulated.

Attachments: [Minutes - January 16, 2025](#)

4. Chair's Remarks

5. Presentations/Delegations

The public are welcome to attend CRD meetings in-person.

Delegations will have the option to participate electronically. Please complete the online application at www.crd.ca/address no later than 4:30 pm two days before the meeting and staff will respond with details.

Alternatively, you may email your comments on an agenda item to the Commission at legserv@crd.bc.ca.

6. Commission Business

6.1. [25-0339](#) General Manager's Verbal Update

Recommendation: There is no recommendation. This verbal update is for information only.

6.2. [25-0302](#) Saanich Peninsula Wastewater Treatment Plant Process

Recommendation: There is no recommendation. This presentation is for information only.

Attachments: [Presentation: Plant Process Overview](#)

7. Notice(s) of Motion

8. New Business

9. Adjournment

The next meeting is Thursday May 15, 2025.

To ensure quorum, please advise Megan MacDonald(mmmacdonald@crd.bc.ca) if you or your alternate cannot attend.

Meeting Minutes

Saanich Peninsula Wastewater Commission

Thursday, January 16, 2025

9:35 AM

Sidney Community Safety Building,
2245 Oakville Ave.,
Sidney, BC

PRESENT:

Commissioners: D. Kelbert (Chair); M. Doehnel (Vice Chair); E. Diller; Z. King (EP); C. McNeil-Smith;
R. Novek; S. Shrivastava

Staff: A. Fraser, General Manager, Infrastructure and Water Services; J. Marr, Senior Manager, Infrastructure Planning and Engineering; D. Dionne, Manager, Business Support Services, Infrastructure and Water Services; P. Kickham, Manager, Environmental Regulations; D. Green, Senior Supervisor, Regional Source Control; D. Pagani, Administrative Coordinator, Infrastructure and Water Services; J. Dorman, Committee Clerk (Recorder)

EP - Electronic Participation

Guests: B. Wagner, GFL Environmental, Area Manager Surrey/Vancouver Island; Kamy Wong, SPL, Operations Supervisor

Regrets: Commissioner(s) D. Halldorson; P. Jones; R. Windsor

The meeting was called to order at 9:55 am.

1. Territorial Acknowledgement

A Territorial Acknowledgement was provided in the preceding meeting.

2. Election of Chair

The General Manager of Infrastructure and Water Services called for nominations for the position of Chair of the Saanich Peninsula Wastewater Commission for 2025.

Commissioner Shrivastava nominated Commissioner Kelbert. Commissioner Kelbert accepted the nomination.

The General Manager of Infrastructure and Water Services called for nominations a second time and third time.

Hearing no further nominations, the General Manager of Infrastructure and Water Services declared Commissioner Kelbert the Chair of the Saanich Peninsula Wastewater Commission.

3. Election of Vice Chair

Chair Kelbert called for nominations of Vice Chair of the Saanich Peninsula Wastewater Commission for 2025.

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

Chair Kelbert called for nominations a second time and third time.

Hearing no further nominations, Chair Kelbert declared Commissioner Doehnel Vice Chair of the Saanich Peninsula Wastewater Commission by acclamation.

4. Approval of Agenda

**MOVED by Commissioner Shrivastava, SECONDED by Commissioner Novek,
That the agenda for the January 16, 2025 Saanich Peninsula Wastewater
Commission be approved.
CARRIED**

5. Adoption of Minutes

- 5.1. [25-0013](#) Minutes of the October 17, 2024 Saanich Peninsula Wastewater Commission Meeting

**MOVED by Commissioner Shrivastava, SECONDED by Commissioner Doehnel,
That the minutes of the October 17, 2024 Saanich Peninsula Wastewater
Commission meeting be adopted.
CARRIED**

6. Chair's Remarks

Chair Kelbert advised the commission of this year's meeting schedule.

7. Presentations/Delegations

7.1. Presentations

7.1.1. [25-0057](#) Presentation: Bryan Wagner, GFL Environmental; Re: SPL Waste-Water Process Facility

B. Wagner and K. Wong presented on the SPL Waste-Water Process Facility.

Discussion ensued on the following:

- sewage process and levels going to sewer versus composting
- oil and water separation and ratio of total volume
- components of poylmer
- utilization of deformer products
- composting and land application of biosolids
- CRD permitting processes
- screening requirements and separation of organic, non organic, and recycling materials
- cruise ship waste and biosolid volumes going to Hartland
- biochar options, advancements and timeframe

Commissioner King left the meeting at 10:35 am.

7.2. Delegations

There were no delegations.

8. Commission Business

8.1. [25-0040](#) Verbal Update on Organic Matter Recycling Regulation

P. Kickham presented Item 8.1. for information and provided the following updates:

- in late 2023 the Province convened a technical working group to look at the organic matter recycling program and contaminants of emerging concern
- key takeaways were on reinforcement of provincial position, source control, scientific literature advancements, identification and management of contaminants of emerging concern

Discussion ensued on the biosolids update provided to the board and the biosolids long-term management plan.

8.2. [25-0044](#) Verbal Update on Victoria Airport Authority - Stormwater Charges

D. Green presented Item 8.2. for information and provided the following updates:

- program was formed to enact the stormwater water regulatory source control bylaw function to provide inspections and education to the Saanich Peninsula
- the consideration of the services provided and potential services that could be provided in the future
- collaboration with Transport Canada for remediation projects

Discussion ensued on the following:

- bylaw application and applicability
- wastewater budget for Saanich Peninsula and overlap funding
- storm water quality and draining
- Ray Creek water diversion and dam
- regulatory monitoring programs
- ownership changes and tenant control

9. Notice(s) of Motion

There were no notice(s) of motion.

10. New Business

Discussion ensued on when the commission would receive a presentation on the wastewater treatment plant process.

11. Adjournment

**MOVED by Commissioner Shrivastava, SECONDED by Commissioner McNeil-Smith,
That the January 16, 2025 Saanich Peninsula Wastewater Commission meeting
be adjourned at 11:05 am.
CARRIED**

CHAIR

RECORDER



Plant Process Overview

Saanich Peninsula Wastewater Commission
March 20, 2025



Agenda

1. Governance Framework
2. Saanich Peninsula Liquid Waste Management Plan
3. System Infrastructure Overview
4. Wastewater Treatment Overview
5. Service Delivery Overview- CRD Departmental Programs

Governance Overview



Service & Governance

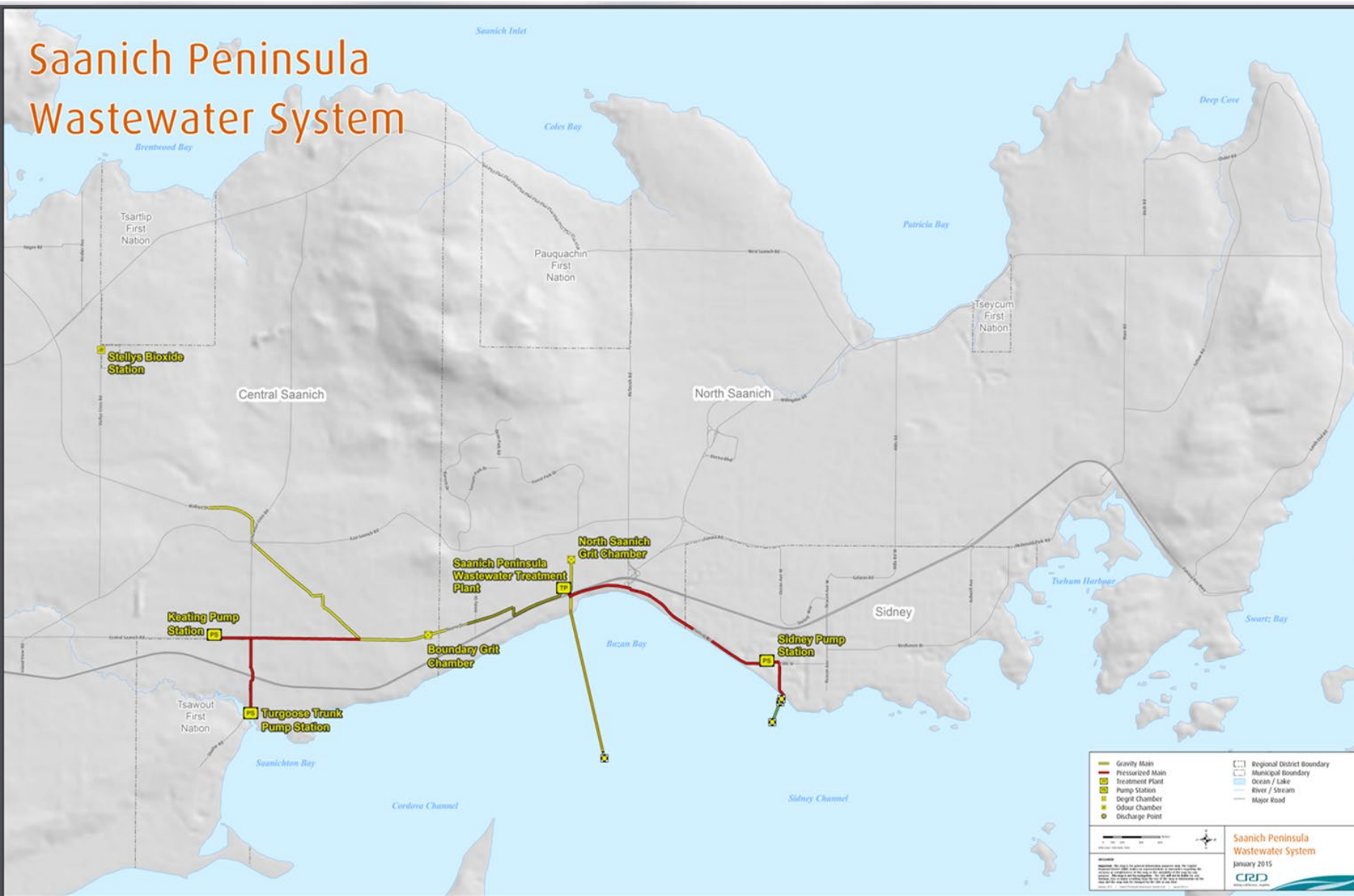
- CRD Board – Chair Cliff McNeil-Smith (2025)
- Saanich Peninsula Wastewater Commission
 - Cliff McNeil-Smith, Mayor, Sidney
 - Ryan Windsor, Mayor, Central Saanich
 - Peter Jones, Mayor, North Saanich
 - Richard Novek, Councillor, Sidney
 - Zeb King, Councillor, Central Saanich
 - Sanjiv Shrivastava, Councillor, North Saanich
 - Eric Diller, Community, Sidney
 - David Kelbert, Community, Central Saanich
 - Dwayne Halldorson, Community, North Saanich
 - Mike Doehnel, Peninsula Area Agricultural Commission

Saanich Peninsula Liquid Waste Management Plan



- Liquid Waste Management Plan for Central Saanich, North Saanich & Sidney – established in 1996
- Plan Commitments – CRD & Municipal Commitments:
 - Source Control Program
 - Inflow & Infiltration Reduction Program
 - Wastewater & Marine Assessment Program
 - Wastewater Treatment & Residuals Management
 - On-site Septic System & Septage Collection
 - Water Conservation & Wastewater Recycling
 - Stormwater Quality Program

Saanich Peninsula Wastewater System



System Infrastructure Overview

- Total length of wastewater collection & conveyance (gravity & pressure) mains across system: 16.1 km
- Pipe diameters range from 300mm–750mm; late 1990s construction
- Pipe material types:
 - Concrete 10%
 - Steel 10%
 - PVC 73%
 - AC 7%
- 3 Pumping Stations
- 67 manholes
- Secondary Wastewater Treatment Plant
- Bazan Bay Ocean Outfall: 1.5 km

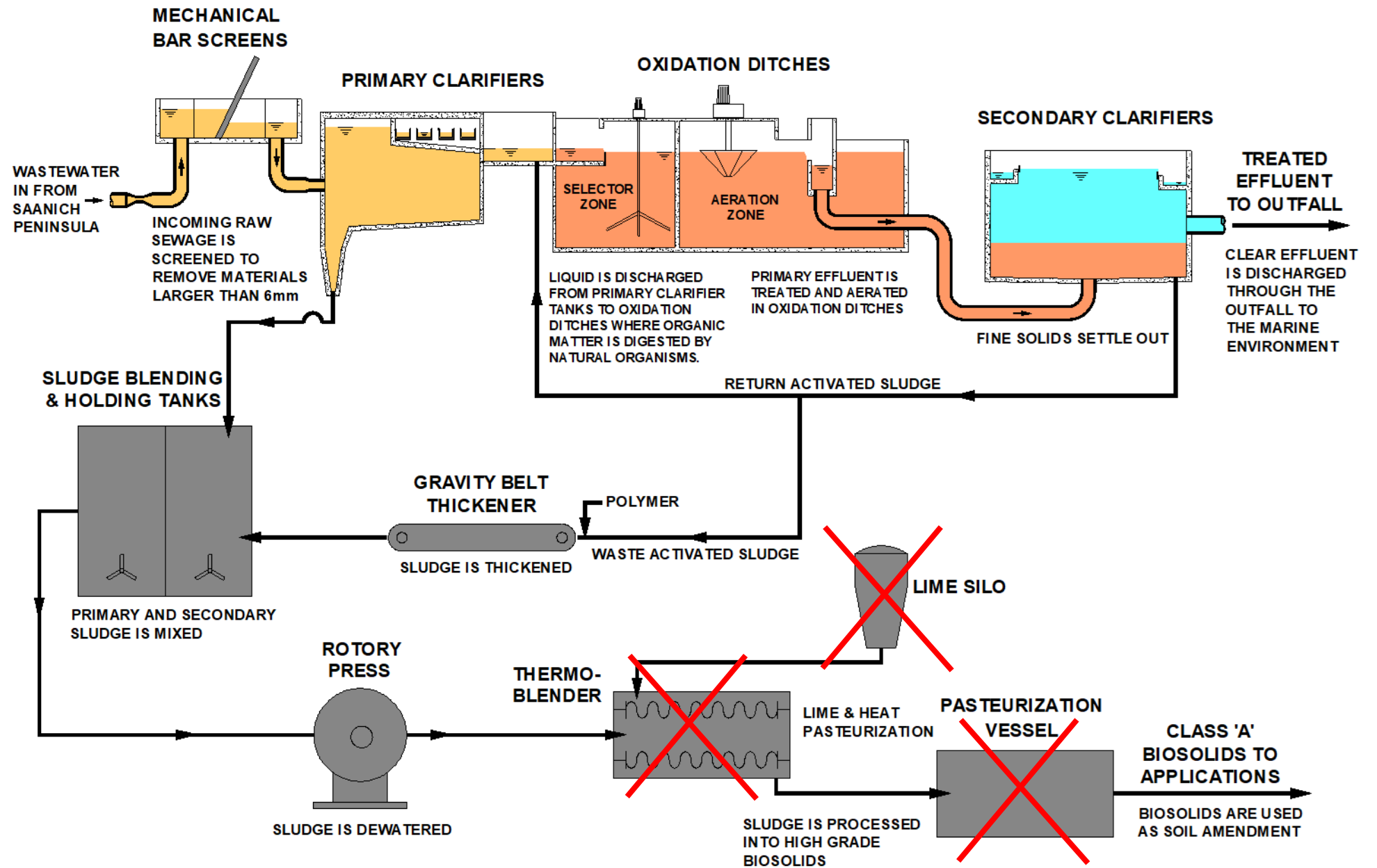
Wastewater Treatment Overview



Peninsula Treatment Plant Facts

- Conventional Activated Sludge (CAS) Secondary Treatment Plant
- Treatment Plant Average Dry Weather Flow Capacity: 18,500 m³/day
- Treatment Plant Peak Day Flow Capacity: 41,000 m³/day
- Current Population Equivalent Served: 44,000 people (estimated)
(225 l/person/day)
- Currently the SPWWTP is operating at 54% and 70% of design ADF & PDF flows.
- Discharge Permit Effluent Quality Criteria:
 - Biochemical Oxygen Demand 45 mg/l
 - Total Suspended Solids 45 mg/l
 - Provincial Operational Certificate ME-15445

Plant Process Flow Diagram

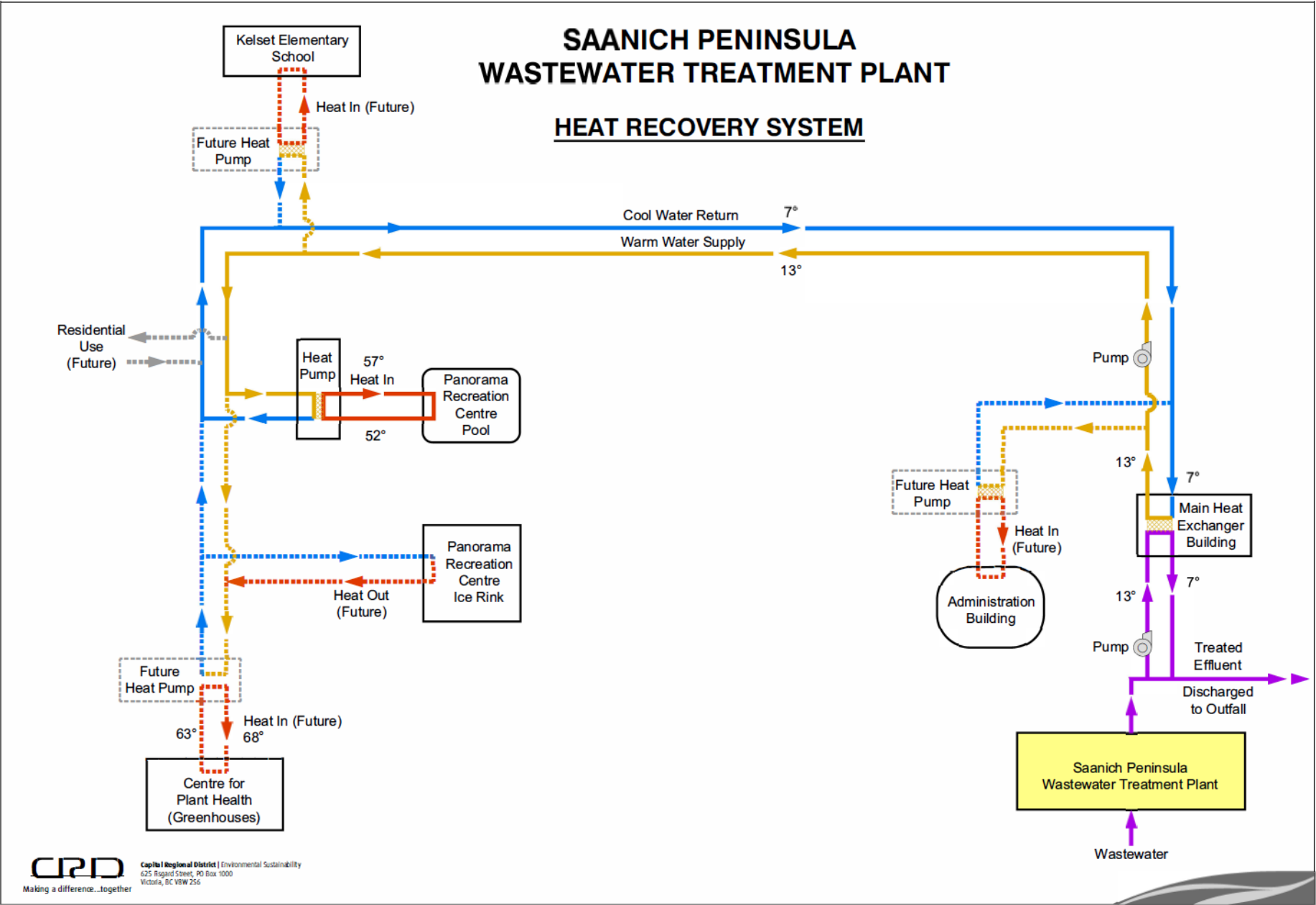


Residuals Management



- Plant Produces 3,800 metric tons/year of Dewatered Sludge
- Plant Was Equipped to Produce Class A Biosolids
 - Sludge is heat pasteurized and lime stabilized to produce Class A Biosolids regulated by BC OMRR
 - ‘PenGrow’ product produced between 2006-2010
 - Production and distribution halted in 2011 – CRD Board decision to ban production and distribution at regional facilities of Biosolids intended for land application
 - Currently, sludge is land filled as controlled waste
- District Energy System – SPWWTP Heat Recovery System
 - System in service since 2011
 - Initial capital investment of \$2.99M – UBCM General Strategic Priorities Fund (Gas Tax Agreement Funds); 100% grant funding as pilot project
 - Capturing waste heat energy - utilized by Panorama Recreation Centre to heat the main pool.

Heat Recovery System



Service Overview



CRD Departmental Programs

INFRASTRUCTURE WATER & SERVICES DEPARTMENT

- **Wastewater Infrastructure Operations**
 - Operations Senior Manager and Manager
 - Operations Supervisor and 4 Certified Operators
 - Systems Maintenance; Mechanical, Electrical and Controls
- **Infrastructure Engineering and Planning**
 - Capital Project Delivery
 - Engineering Design & Project Management
 - System Infrastructure Planning & Asset Management
 - Emergency Response
- **Corporate Asset and Maintenance Management**
 - Preventive Maintenance Planning Schedulers and Analysts for Operations
 - Asset Integration for Operations
 - Fleet: Service Vehicles & Heavy Equipment

Service Overview



CRD Departmental Programs

- **Environmental Protection Department**
 - Marine Environmental Monitoring
 - Effluent Sampling and Lab Testing
 - Compliance Reporting
 - Liquid Waste Management Plan (LWMP) Administration
- **Stormwater Management**
 - Saanich Peninsula Stormwater Quality Program
 - Stormwater Source Control Program



Thank you



@crdvictoria



Capital Regional District



CRDVictoria



crd.bc.ca