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Item 5

CAWTPC 15-09

**REPORT TO CORE AREA WASTEWATER TREATMENT PROGRAM COMMISSION
MEETING OF FRIDAY, AUGUST 28, 2015**

SUBJECT SEATERRA PROGRAM MONTHLY PROGRESS REPORT NO. 27

ISSUE

A monthly report is required to comply with Program governance, funding agreements, project controls and to provide current information to the Core Area Liquid Waste Management Committee (CALWMC), the Capital Regional District (CRD) Board, and the public.

BACKGROUND

At the Commission meeting of October 25, 2013 a revised format for the Monthly Program Progress Report was submitted and approved by the Commission. The report complies with the requirements of the funding agencies, Program governance and with keeping the CALWMC and the CRD Board as well as the general public informed on progress on the Program. The reports will be posted on the Commission website.

RECOMMENDATION

That the Seaterra Program Commission:

1. Approve the Monthly Program Progress Report No. 27 for July 31, 2015
2. Forward the Seaterra Program Progress Report No. 27 to the Core Area Liquid Waste Management Committee and Capital Regional District Board.

Albert Sweetnam, P.Eng
Program Director

Attachment: Appendix A: Monthly Program Progress Report No. 27

AS:ll



**Seaterra Program
Progress Report No. 27**

July 31, 2015

Prepared by:

Seaterra Program Management Office

In addition to reporting on activities that are the responsibility of the Seaterra Program Commission, this progress report also includes updates on activities that are the responsibility of the Core Area Liquid Waste Management Committee (CALWMC) and the Capital Regional District (CRD) Board, namely, activities related to facility siting and agreements with municipalities or other government agencies. Those matters that are the direct responsibility of the CALWMC and CRD Board are clearly identified in the text as “CRD responsibility” and are identified in Section 1.2.

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Appendix A: Monthly Program Cost Report

Overall Program

July 2015 Project Status

SAFETY

- No Lost Time Incidents in the previous 3 months.

COST

- Program over budget – Current potential WWTP sites all result in significant additional costs.

SCHEDULE

- Procurement of WWTP DBF Contract delayed indefinitely.
- Uncertainty of site location has made the Program schedule unachievable. Additional delays anticipated.
- All activities suspended from June 27, 2014, with the exception of the construction of the Craigflower Pump Station and the design of the Arbutus Road attenuation tank.

QUALITY

- No critical NCR's recorded.

ENVIRONMENT

- No incidents or breach in regulatory compliance recorded.

RISK

- The overall program completion of 2018 not possible as a result of the zoning impasse for the implementation of a wastewater treatment plant. Potential withdrawal of funding as a result of no wastewater treatment plant site. Budget will be overrun based on the potential WWTP sites currently under consideration by the CRD.

COMMUNITY

- Public & Municipal engagement suspended.

Key No site allocated for the implementation of the WWTP.

Issues : Potential withdrawal of funding as a result of no WWTP site.

All WWTP sites under consideration by the CRD will result in significant additional costs.

Financial Summary

(\$M)

Budget	787.9
Commitment To Date	42.4
Forecast at Completion	787.9
Variance	-

Schedule Key Dates

Target

Wastewater Treatment Plant

DBF Awarded	Suspended
Construction Complete	Suspended
Commissioning Complete	Suspended

Resource Recovery Centre & Pipeline

DBFO Awarded	Suspended
Construction Complete	Suspended
Commissioning Complete	Suspended

Conveyance Pump & Pipeline

Macaulay PS DB Awarded	Suspended
Clover PS DB Awarded	Suspended
All Conveyance Complete	Suspended

Legend



On Track



Delayed At Risk

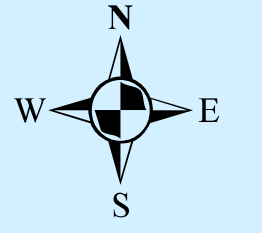


Critical/Late

Major Program Components



July 31, 2015



- | | | |
|--------------------------------------|----------------------------------|--------------------------------|
| Conveyance | Wastewater Treatment | Resource Recover Centre |
| ▲ CONSTRUCTION | ■ SUSPENDED | ●● SUSPENDED |
| ■ DESIGN | — SUSPENDED | — SUSPENDED |
| ▲ SUSPENDED | | |
| — SUSPENDED | | |
| Existing Sewer Infrastructure | Administrative Boundaries | |
| ▲ Pump Station | - - - Municipal Boundary | |
| — Sewer Main | ▨ First Nations | |
| — Emergency Overflow | | |

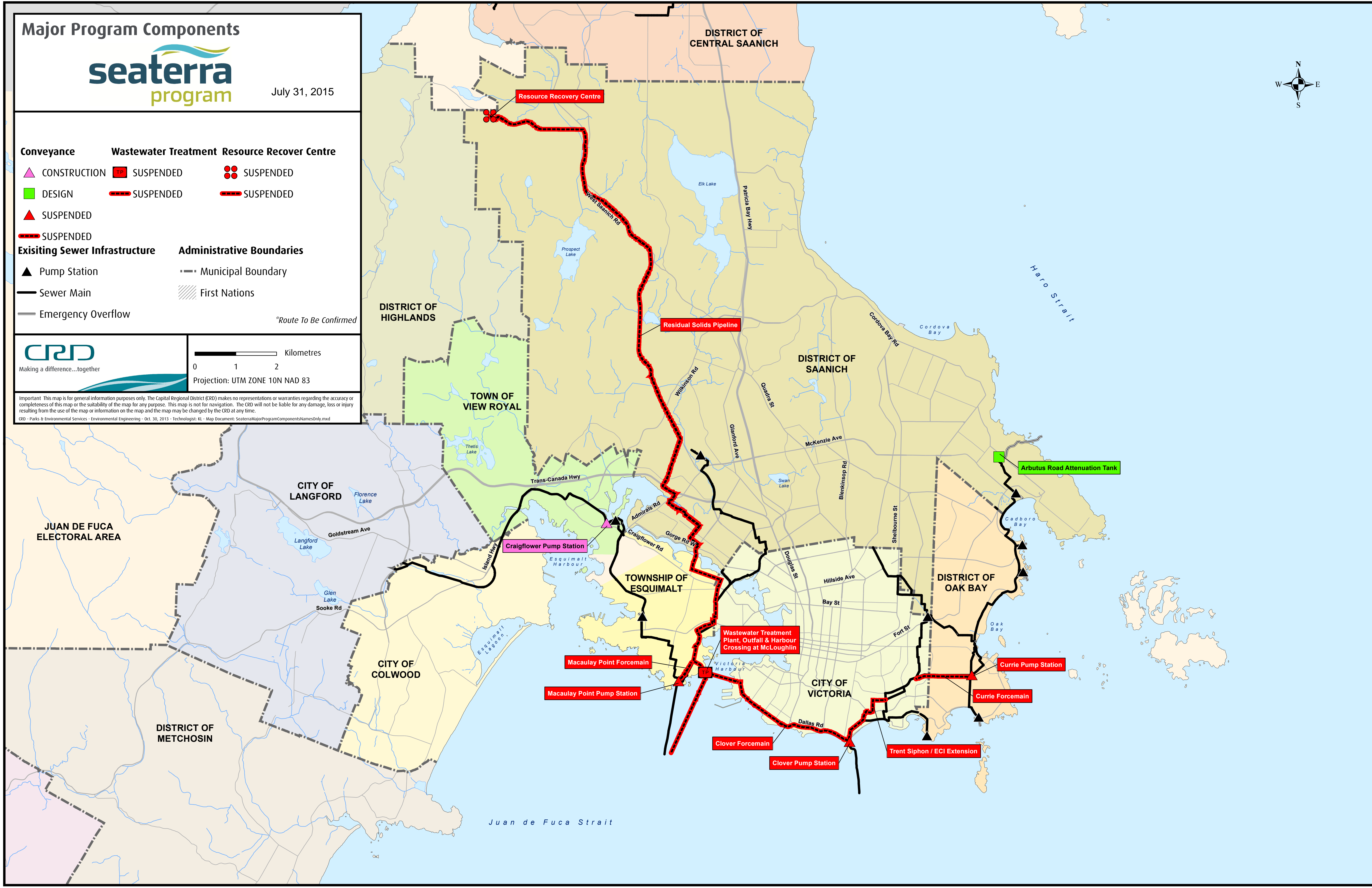
*Route To Be Confirmed

Kilometres
0 1 2

Projection: UTM ZONE 10N NAD 83

Important: This map is for general information purposes only. The Capital Regional District (CRD) makes no representations or warranties regarding the accuracy or completeness of this map or the suitability of the map for any purpose. This map is not for navigation. The CRD will not be liable for any damage, loss or injury resulting from the use of the map or information on the map and the map may be changed by the CRD at any time.

CRD - Parks & Environmental Services - Environmental Engineering - Oct. 30, 2013 - Technologist: XL - Map Document: SeaterraMajorProgramComponentsNamesOnly.mxd



1. Executive Summary

1.1 Seaterra Program

- 1.1.1 Costs this period are \$385,302 (See section 13.1.3 for details) for a total cost to date of \$40,828,228.
- 1.1.2 Commitments this period are negative \$8,813,885 for a total commitment to date of \$42,421,844 (approximately 5.4% of the Program budget).
- 1.1.3 Procurement activities on the Program remain suspended.
- 1.1.4 As a result of the suspension of procurement activities in June 2014, the Program schedule cannot be completed before the end of 2018. Acquisition of a new site and completion of any rezoning and environmental approvals required followed by the procurement, design, construction and commissioning of the wastewater treatment plant (WWTP) and the Resource Recovery Centre (RRC) are the activities that will determine and drive a revised Program critical path.
- 1.1.5 Construction related activities continued on the Craigflower Pump Station project. The pump station is effectively complete and the various systems are being tested and commissioned. The Pump Station is expected to be completed 12% under budget. The Seaterra Commission members toured the pump station on July 31, 2015.
- 1.1.6 The preferred proponent for the McLoughlin Wastewater Treatment Plant has extended the validity of their proposal to December 31, 2015 including the required \$2 million letters of credit.

Major Issues:

CRD:

- Approval of a WWTP site or sites.
- The LWMP approved by the MOE July 3, 2014 will require further amendment for changes to the Program resulting in a new site or multiple sites being identified in Q4, 2015 for the wastewater treatment plant and resource recovery centre.
- The Clover Pump Station rezoning application remains on hold pending further direction on the entire Seaterra Program.
- Relocation of rock/gravel stockpile from the proposed site of the RRC remains on hold.
- Environmental studies for a new WWTP site or sites.
- Site investigations for a new WWTP site or sites.
- Federal and Provincial environmental approvals and permits.
- Application and approval of Zoning for a new WWTP site or sites.
- Public consultation for a new WWTP site or sites.
- Liquid Waste Management Plan revisions and approval.
- Renegotiation of funding agreements.

Major Activities Planned – Next Period:

CRD:

- The CALWMC and CRD Board will meet in August 2015 to discuss next steps for the LWMP.

Commission/PMO:

- Awaiting direction from the CRD Board on an approved site or sites for the WWTP.

1.2 Core Area Liquid Waste Management Committee/CRD Board Issues

1.2.1 Completion of Federal and Provincial Funding Agreements – pending final zoning approvals and sign off by the Ministers.

1.2.2 Potential invalidation of Federal and Provincial Funding Agreements.

1.2.3 Determine next steps for the LWMP.

2. Activities – Wastewater Treatment Plant Project - Suspended

3. Activities – Resource Recovery Centre (RRC) - Suspended

4. Activities – Macaulay Pump Station- Suspended

5. Activities – Craigflower Pump Station

5.1 Construction Status

5.1.1 The piping work is 100% complete and the pump station is effectively complete. The various systems are being tested and commissioned. Final inspections and deficiency lists are being completed. Seaterra Commission members toured the pump station on July 31, 2015.

5.2 Schedule

5.2.1 The commissioning of the Pump Station has commenced. The pump station will be put into operation in August 2015.

5.3 Significant Issues/Decisions Pending - None

6. Activities – Clover Pump Station - Suspended

7. Activities – Currie Pump Station - Suspended

8. Activities – Arbutus Road Attenuation Tank

8.1 Design/Engineering Status

CRD is reviewing the final documentation to ensure compliance with CRD standards.

8.2 Schedule

The detailed design for the Arbutus Road Attenuation Tank is effectively complete. The procurement process for the construction of the Arbutus Road Attenuation Tank construction has been suspended indefinitely.

9. Activities – Clover Forcemain – Suspended

10. Activities – Currie Forcemain - Suspended

11. Activities – ECI/Trent Twinning - Suspended

12. Activities – Macaulay Forcemain - Suspended

13. Program Updates

13.1 Program Cost/Budget Update

13.1.1 This report covers the period of July 2015.

13.1.2 Total Program budget is \$787,907,200.

13.1.3 Costs for this period (July 2015) \$385,297.

13.1.3.1 Summary of Costs:

Craigflower Pump Station & Arbutus Attenuation Tank		\$196,149
Project Management Office		
Salaries	\$125,169	
Consultants (Legal)	\$12,859	
Rentals & Leases	\$25,820	
Operating – Other	<u>\$ 1,657</u>	
Subtotal	\$ 165,505	\$ 165,505
Interim Financing		\$ 16,024

Commission	<u>\$ 7,624</u>
Total	\$385,302

13.1.4 Costs to date are \$40,828,228 (Appendix A).

13.1.5 Commitments to date are \$42,421,844.

13.1.6 Commitments this period are a reduction of \$8,813,885.

- Termination of contracts reducing commitments by over \$8.8 million
- Craigflower Pump Station change orders
- CRD Interest charges.
- CRD SCADA Equipment programming Craigflower Pump Station.

13.2 Program Schedule Update

13.2.1 The status of the Program schedule continues to degrade. Program completion in 2018 is no longer possible and a new date is pending determination of a site for the WWTP.

13.2.2 Major activities and milestones scheduled the next 90 days include the following:

Conveyance Infrastructure:

- Commissioning and handover of the Craigflower Pump Station to CRD Operations.

13.3 Procurement this Period - Suspended

13.4 Major Commitments This Period - Suspended

13.5 Project Controls

13.5.1 Procurement activities on the Program are suspended.

13.6 Environmental

13.6.1 Craigflower pump station is complete – no further environmental activities to report.

13.7 Safety

13.7.1 Craigflower pump station is complete – no further safety activities to report.

14. Communications/Public Engagement - Suspended

15. Program Financing - Suspended

Appendix A

Monthly Cost Report



Program Summary Report Month Ending 31-July-2015

	Budget	Cost to Date	Commitments Unpaid	Total CTD + CU	Forecast to Complete	Forecast at Completion	Variance	Variance from Last Report
WASTEWATER TREATMENT PLANT	289,563,486	10,142,209	0	10,142,209	279,421,277	289,563,486	0	0
CONVEYANCING -PUMP STATIONS & PIPES	127,416,364	16,882,543	546,738	17,429,281	109,987,083	127,416,364	0	0
RESOURCE RECOVERY CENTRE	254,045,629	4,664,814	0	4,664,814	249,380,815	254,045,629	0	0
COMMON COSTS	49,044,222	8,961,190	1,046,878	10,008,068	39,036,154	49,044,222	0	0
INTERIM FINANCING	26,912,000	177,471	0	177,471	26,734,529	26,912,000	0	0
PROGRAM CONTINGENCY	40,925,499	0	0	0	40,925,499	40,925,499	0	0
TOTAL	787,907,200	40,828,228	1,593,616	42,421,844	745,485,356	787,907,200	0	0