

# Clover Pump Station & Conveyance Pipe

AS PART OF THE CLOVER PUMP STATION UPGRADE AND EXPANSION, LOCAL RESIDENTS AND PARK USERS WILL BE ABLE TO ENJOY NEW IMPROVEMENTS TO CLOVER POINT PARK.

Clover Pump Station will be upgraded and expanded to meet current standards, increase its capacity and direct water to the Treatment Plant at McLoughlin Point. The new, expanded pump station will be below ground level and will not be visible from Dallas Road.

In November 2013, the CRD applied to the City of Victoria to rezone the site of the new expanded pump station. Feedback gathered during the rezoning process helped identify some potential park use options and public safety improvements. These will be incorporated into the final designs.

The rooftop surface above the pump station is proposed to be improved from the existing parking area to a public plaza, including benches, walkways, bike paths, viewpoints and other public and cycling enhancements.

The Seaterra Program is also working with the City of Victoria to align the Clover Conveyance Pipe underneath what will become a separated two-way bike path from Clover Point to Ogden Point. By using the same corridor for both projects the Seaterra Program is able to minimize environmental and social impacts and save costs for both the Seaterra Program and the City.



>> Park use improvements for the land above the Clover Pump Station could include a public plaza, benches, walkways, bike paths, and intersection safety improvements.

## For More Information

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# NEWSLETTER



## Seaterra Program Overview

**WORK IS NOW UNDERWAY ON THE IMPLEMENTATION AND CONSTRUCTION OF THE SEATERRA PROGRAM - THE LARGEST AND MOST COMPLEX CAPITAL PROJECT THE CAPITAL REGIONAL DISTRICT HAS UNDERTAKEN TO DATE.**

Last fall saw the start of construction on the Craigflower Pump Station, the release of several Requests for Qualifications and Requests for Proposals for Seaterra facilities and services, as well as numerous community meetings across the core area. In October, Seaterra Program staff visited the Fairfield Gonzales and James Bay Community Associations to provide an update on the Clover Pump

Station and Conveyance Pipe. Staff also coordinated meetings and community information sessions with the Willis Point, Prospect Lake and Highlands Community Associations in December to discuss the Resource Recovery Centre at Hartland landfill.

In the coming months, the Seaterra Program will continue to work with local communities to share information on program facilities. Up-to-date program

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materials and a list of recent and upcoming community meetings are posted on [www.seaterraprogram.ca](http://www.seaterraprogram.ca) on the *In Your Community* page.



# Resource Recovery Centre at Hartland

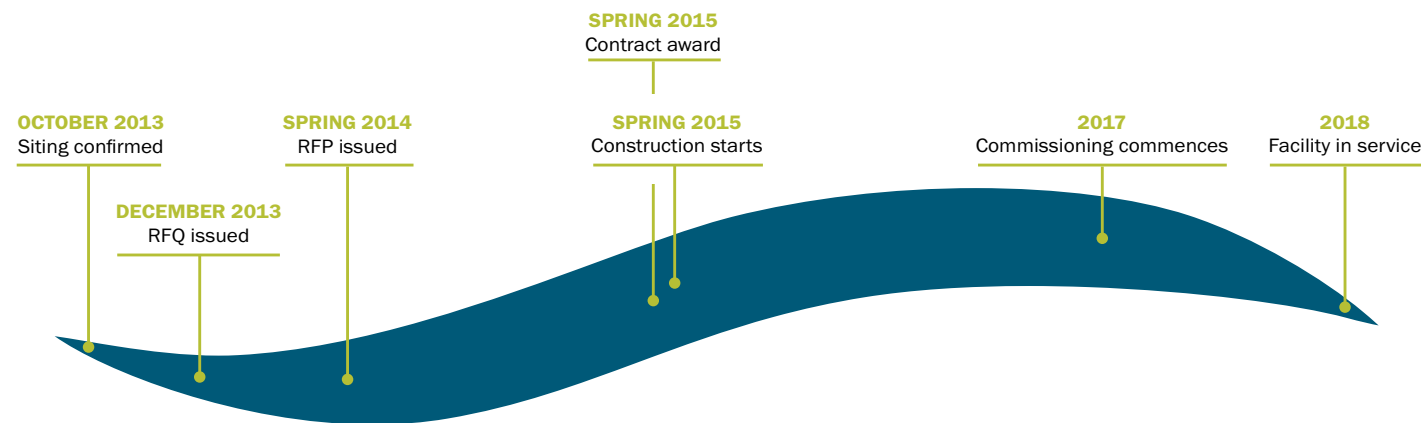
Treating wastewater also means treating and managing residual solids. The Resource Recovery Centre (RRC) at Hartland landfill will help put our wastewater to use. The RRC will collect valuable resources from our wastewater such as methane (biogas) and phosphorous (fertilizer) and produce

biosolids. In October 2013, the CRD Board confirmed Hartland landfill as the site of the RRC.

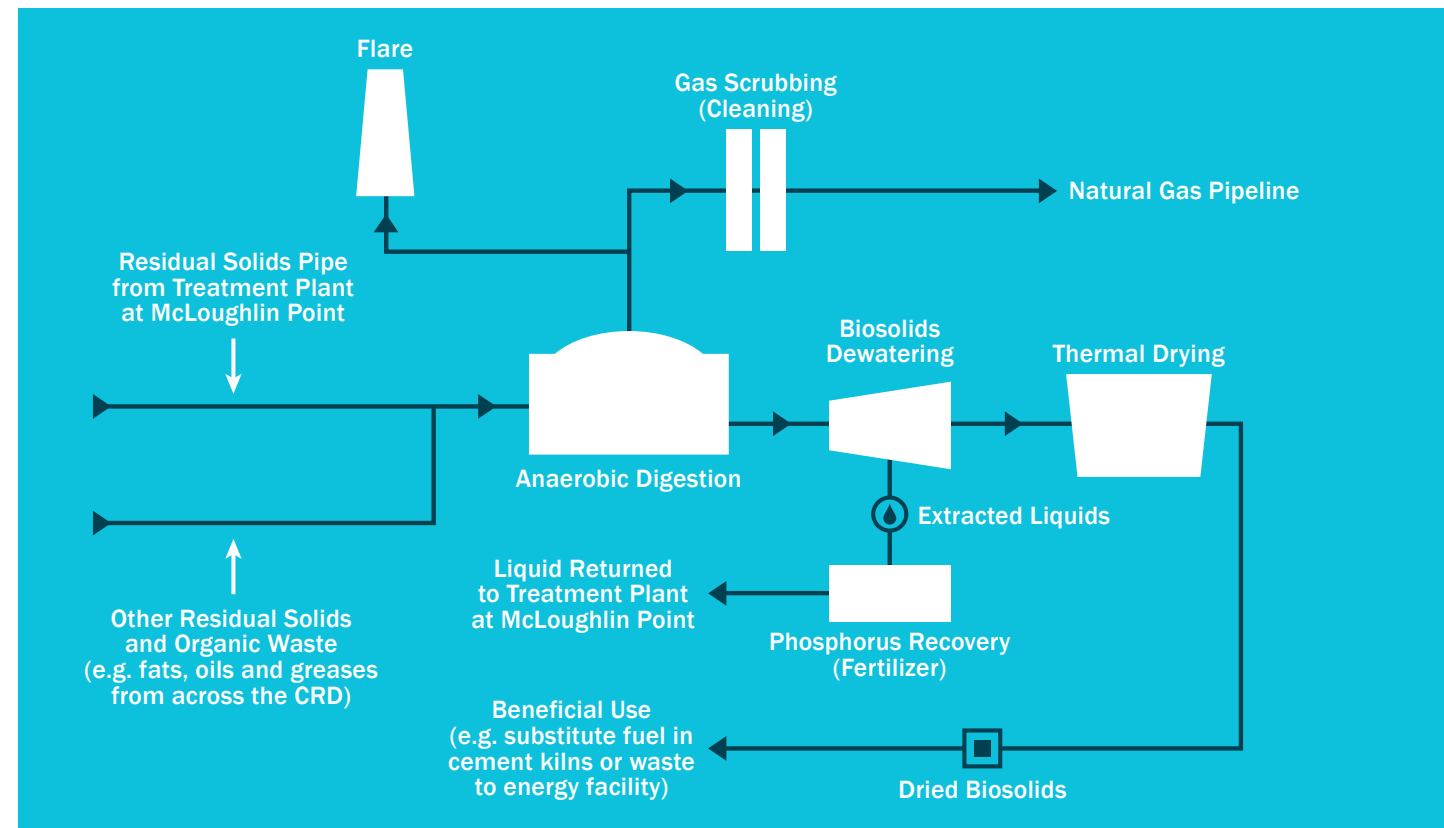
Under CRD policy, biosolids have been approved for a variety of beneficial uses, including as a fuel substitute. In December 2013, the Seaterra Program

issued a Request for Proposals (RFP) to explore the market for alternative end uses of biosolids, as well as a Request for Qualifications (RFQ) to Design-Build-Operate and partially finance the RRC. A RFP will be issued to the shortlisted proponents in spring 2014.

## RESOURCE RECOVERY CENTRE FACILITY DEVELOPMENT TIMELINE



## RESIDUAL SOLIDS TREATMENT PROCESS AT THE RESOURCE RECOVERY CENTRE



# Craigflower Pump Station



>> Rendering of the new Craigflower Pump Station currently under construction.

September 2013 marked a major milestone in the Seaterra Program, as the first shovel hit the ground for the construction of the Craigflower Pump Station. Seaterra Program staff joined Esquimalt and Songhees Nations for a ground blessing ceremony prior to construction getting underway on this first piece of the program. The new pump station will replace the existing station built in 1971. The Craigflower Pump Station will transport wastewater to the Treatment Plant at McLoughlin Point and will prevent wastewater overflows into Portage Inlet.

# Arbutus Road Attenuation Tank

Design work has commenced on the Arbutus Road Attenuation Tank located near Haro Woods, including: site surveying, an environmental assessment, an arborist/tree assessment and geotechnical work. The Arbutus Road Attenuation Tank will be located entirely underground and temporarily store wastewater flows during high volume storm events to prevent downstream overflows. As part of the project, Kerr Wood Leidal Associates, the team awarded the consulting contract for the design of the attenuation tank, will design road frontage improvements including widening Arbutus Road and installing a bike lane and sidewalk.

Project designs will be shared with the community in spring 2014 and construction on the Arbutus Road Attenuation Tank is expected to commence in the fall of 2014.

## TREATMENT PLANT AT MCLOUGHLIN POINT

The Treatment Plant at McLoughlin Point is the keystone facility for the Seaterra Program and will provide enhanced primary and secondary treatment for the Region's core area wastewater to stop raw sewage from being discharged into our ocean every day.

The Request for Proposal (RFP) for the Treatment Plant was released in

July 2013 and proponent proposals will be submitted in early 2014. The site is currently undergoing rezoning, and if approved by Esquimalt, is expected to be complete by spring 2014. Construction of the Treatment Plant at McLoughlin Point is anticipated to get underway in 2014 with completion in 2018.



>> Site of the Treatment Plant at McLoughlin Point.