Making a difference...together

Core Area Wastewater Treatment Project Board

Safety Moment Complacency in the Workplace

Teach employees real-time skills to maintain focus and keep safety and risk in mind.

Key Performance Indicators		WTP Project Overall	WWTP	RTF	Conveyance System
Safety	Deliver the Project safely with zero fatalities and a total recordable incident frequency (TRIF) of no more than 1.				
Environment	Protect the environment by meeting all legislated environmental requirements and optimizing opportunities for resource recovery and greenhouse gas reduction.				
Regulatory Requirements	Deliver the Project such that the Core Area complies with provincial and federal wastewater regulations.				
Stakeholders	Continue to build and maintain positive relationships with First Nations, local governments, communities, and other stakeholders.				
Schedule	Deliver the Project by December 31, 2020.				
Cost	Deliver the Project within the Control Budget ($765 million).				

Safety is our top priority: all KPIs are central to decision making process

WTP Safety Information: January

- 512,913 hours worked
- 344 Total Number of Employees
- 1 Recordable incident
- 0 Lost time

13 safety incidents reported during January.

Over 500,000 total hours worked on the Project.

Cost Management and Forecast

- **Control Budget - $765M**
- **Expended to Date - $261.8M (34%)**
- **Expended in January - $11.9M**

Funding Source	Maximum Contribution	Funding Received in the Reporting Period	Funding Received to Date
Government of Canada (Building Canada Fund)	$120M	-	$40.4M
Government of Canada (Green Infrastructure Fund)	$50M	-	$10.6M
Government of Canada (P3 Canada Fund)	$41M	-	-
Government of British Columbia	$248M	-	-
TOTAL	**$459M**	**-**	**$51.0M**

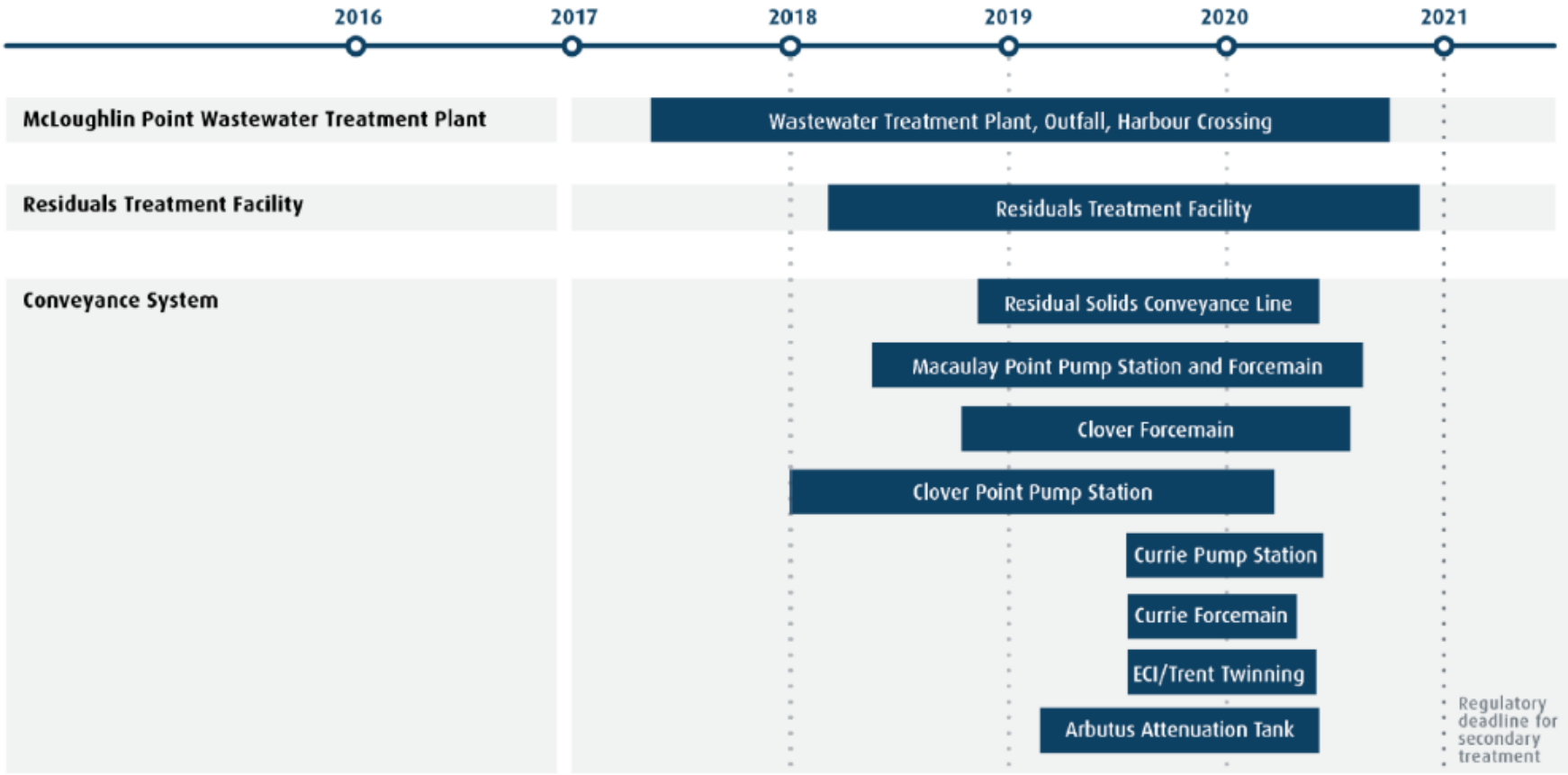
Activities to evaluate the sufficiency of the remaining contingency and program reserve to deliver the Project within the control budget are underway.

January Key Permits

Permit / Licence	Anticipated Date	Status	Responsible Party to Obtain Permit
McLoughlin Point WWTP			
Municipal Wastewater Regulation ("MWR") Registration	Q4 2019	On track	CRD
McLoughlin Point Harbour Crossing			
Transport Canada Lease	Following completion of construction	On track	HRP
McLoughlin Point Outfall			
Transport Canada Lease	Following completion of construction	On track	HRP
ECI/Trent Twinning			
Notice from the Director to Construct under Section 40 (b) of the MWR	Q2 2019	On track	Design engineer
Arbutus Attenuation Tank			
District of Saanich Building Permit	Q1 2019	On track	Kerr Wood Leidal
Residuals Treatment Facility			
Operational Certificate	Prior to start of RTF operations	On track	HRMG

In January, Millennia planned archaeological pre-digs at the location of Pump Station 2.

Wastewater Treatment Project Schedule*



*Schedule subject to updates as Project planning progresses.

The Project remains on-schedule to meet regulations for treatment of core area's wastewater by December 31, 2020.

Making a difference...together

McLoughlin Point WWTP

In January, HRP prepared for drilling the first section of the outfall.

Clover Point Pump Station

Formwork was ongoing over the month of January.

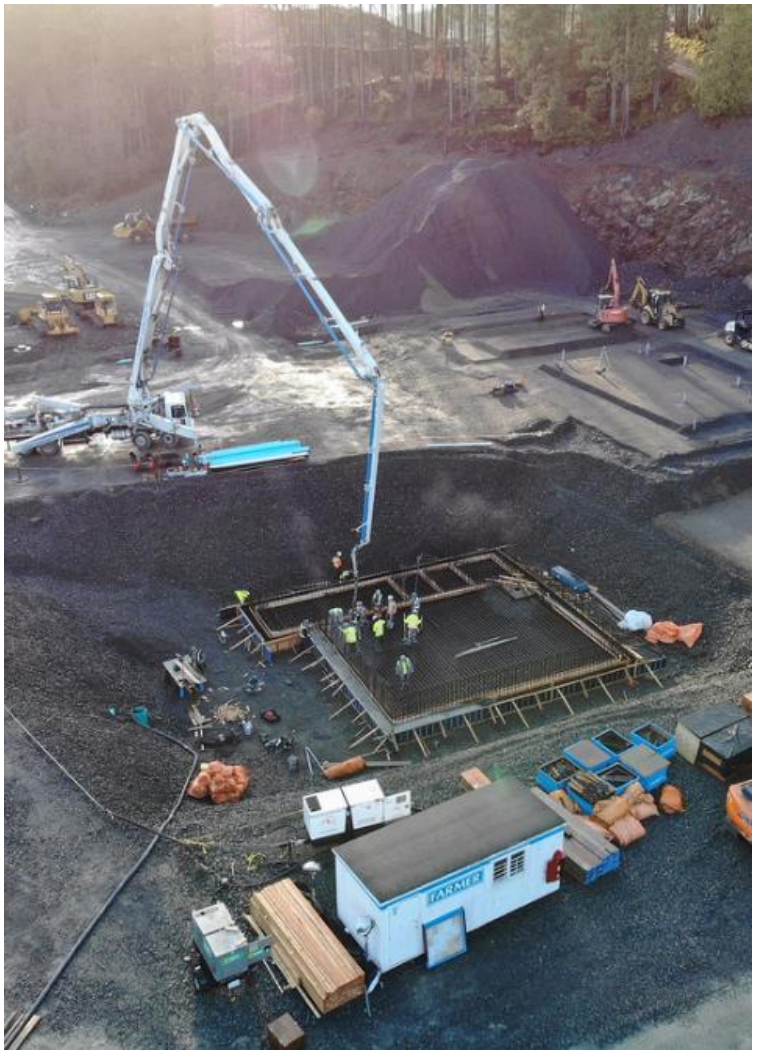
Macaulay Point Pump Station and Forcemain

In January blasting activities for the facility excavation were completed.

Clover Forcemain

Forcemain trench excavation and installation in progress.

Residuals Treatment Facility



Digester work continued over the month of January.

Residual Solids Conveyance Line

To date, 455 metres of pipe has been installed.

Arbutus Attenuation Tank

Communications

Wastewater Treatment Project

With six components of the Wastewater Treatment Project now under construction, we made significant progress towards our goals in 2018 and are well on track to meet federal and provincial regulations for treatment by the end of 2020. Significant construction activity throughout the region continues in 2019 including pipe installation continuing along Dallas Road for the Clover Forcemain and the beginning of work on the Residual Solids Conveyance Line in Esquimalt, Victoria and Saanich. Our website will be updated throughout construction so that you can find the latest construction updates in the "Current Construction Activities" section.

Construction Updates

DALLAS ROAD CONSTRUCTION

The Project includes the construction of a pipe which will transport wastewater from the Clover Point Pump Station to the McLoughlin Point Wastewater Treatment Plant for tertiary treatment. This pipe (called the Clover Forcemain) will run along Dallas Road from Clover Point to Ogden Point, where it will connect to the recently completed Victoria cross-harbour undersea pipe.

The contract for the Clover Forcemain was awarded to Windley Contracting Ltd., a Vancouver Island-based company. Construction activities on Dallas Road began in October 2018 with archaeological work and utility relocations. The installation of the pipe began in January 2019 at both the Ogden Point and Clover Point ends of the pipe. The pipe is being installed in 100m segments to minimize impacts to residents and the many users of Dallas Road.

CLOVER POINT PUMP STATION

The expansion of the Clover Point Pump Station has been under construction since February 2018. Excavation was completed in 2018 with concrete pouring now underway and will continue in 2019 along with installation of pumping equipment.

The 1.2m diameter Clover Forcemain is being lowered into the trench near Clover Point. There will be single lane alternating traffic on Dallas Road during construction.

Engagement Summary

The key focus of communication and engagement activities is to keep residents and stakeholders informed of Project plans, progress, and construction information, as well as to receive and respond to questions raised by the community.

In 2018, the Project Team held nine open houses in Saanich, Esquimalt and Victoria to provide information about construction plans, impacts, and timing and to provide an opportunity for people to meet and ask questions of the Project Team. Construction notices were also hand delivered, emailed and posted to the Project website.

We will continue to update our website. Please check the "Current Construction Activities" section for the latest construction updates. Construction photos are posted at **flickr.com/photos/crdwastewaterproject**

We appreciate hearing from you. Please email **wastewater@crd.bc.ca** or call us on our 24-7 project information line, **1.844.815.6132**.

2018 COMMUNITY ENGAGEMENT SUMMARY

394 responses to phone inquiries

195 responses to email inquiries

80 meetings with community associations, municipalities and stakeholders

9 public open houses

47 construction notices

Meet a Member of the Project Team

KELLY OLSEN, SAFETY MANAGER

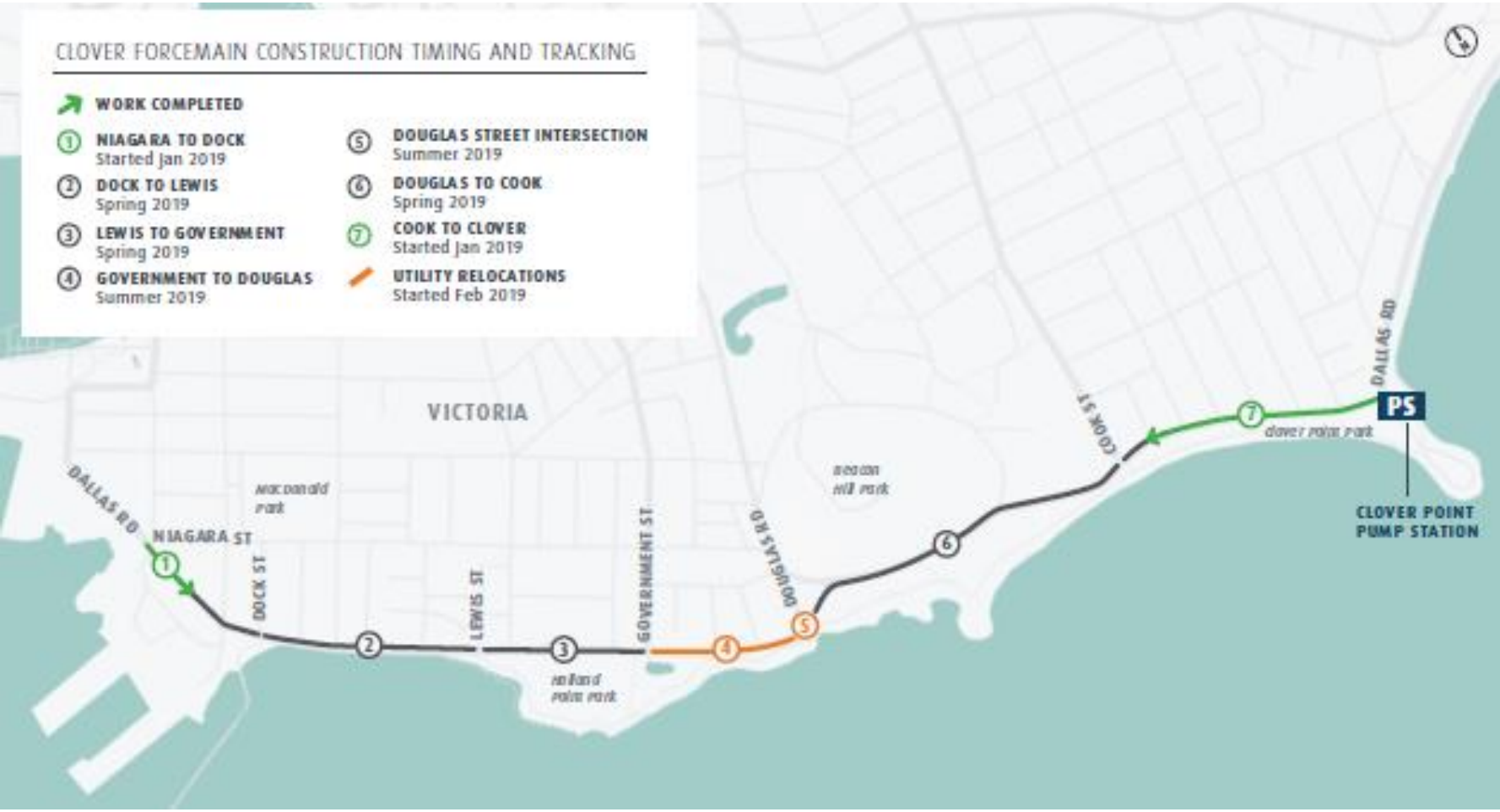
Kelly Olsen is the Safety Manager for the Wastewater Treatment Project and she reviews the safety plans and practices of the prime contractors at all of the project sites. Conducting site visits and weekly safety inspections is just one aspect of her daily tasks as Kelly also organizes coordination meetings to bring all the teams together.

Safety is the number one priority for the Project. Each meeting for the Project begins with a safety moment, keeping safety at the forefront of everything we do and providing an opportunity to be mindful about the importance of safety. Each site holds Toolbox Talks to review the hazards of the day and the control measures and actions in place to ensure safety is at the top of everyone's mind. Site conditions change daily so this is an important part of each day.

Kelly brings to the Project 30 years of experience in the construction industry as a safety consultant. She also performs external audits for the BC Construction Safety Association for the Certification of Recognition Program. In her time off, Kelly enjoys her farm and raises and shows Quarter Horses on a competitive level in Canada and the United States. She is also the proud grandmother of two.

Over 53,000 Project Update #6 documents were distributed to residents.

Clover Forcemain Progress



February 28, 2019