

PROJECT UPDATE



Date: August 31, 2021
To: Ken McIlwain
From: Jacob Scissons
Subject: **HAGENSBORG WATER SYSTEM UPGRADES
PROJECT UPDATE – AUGUST 2021**

The following is a summary of key dates, recently completed activities, and next steps for the Hagensborg Water System Upgrade project.

KEY DATES

- The *Section 11 Water Sustainability Act Notification* has been reviewed by the Ministry of Forests, Lands, Natural Resource Operations, and Rural Development (MFLNRORD) for the trenchless watermain crossings of local creeks. Work is clear to proceed with appropriate environmental monitoring and best practices in place and completion by June 30, 2022.
- The project completion date for the *Investing in Canada Infrastructure Program* grant is March 31, 2024.

RECENT WORK COMPLETED

- Water system design criteria have been advanced (service area population, water demands, treatment requirements, fire flows, operating pressures).
- Base plans for watermain plan and profile design drawings are being prepared.
- The evaluation of groundwater vs surface water supply options is underway. A preferred test well site has been identified for investigation of a potential new groundwater source.
- The approach for proposed watermain replacement work within the highway right-of-way is being reviewed by the Ministry of Transportation and Infrastructure (MOTI).
- Consultation with Nuxalk Nation is underway to identify archaeological review and protocol steps.
- The team is exploring public engagement options that can be completed within applicable safety protocols. Information is being prepared to provide a comprehensive overview of water source characteristics, treatment / disinfection requirements, the extent of phase 1 vs phase 2 works, and similar.

NEXT STEPS

- The geotechnical fieldwork will be scheduled.
- The segments of watermain requiring replacement will be identified along with confirmation of pipe sizes to convey the required flows and maintain adequate pressures. A water model of the existing infrastructure network is being prepared to facilitate this.
- The design package will be submitted to Vancouver Coastal Health (VCH) for review, comment, and approval.

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- The procurement approach will be developed, including consideration of a single construction contract vs separate contracts for the linear (watermain) and facility (water treatment plant) works.

Sincerely,

URBAN SYSTEMS LTD.

A handwritten signature in black ink, appearing to read "J Scissons".

Jacob Scissons, P.Eng.
Project Manager

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