



REPORT

To: Electoral Area Directors Committee

Report Number: ADM-EADC-037

From: Crystal Brown, Electoral Area Manager

Date: June 17, 2021

Subject: Potable Water Feasibility Study - Area C

RECOMMENDATION #1:

That the Electoral Area Directors Committee recommend that the Regional Board authorize a feasibility study within Charlie Lake to identify potential potable water sources to establish a potable water bulk tank loader station.

RECOMMENDATION #2:

That the Electoral Area Directors Committee recommend that the Regional Board authorize a source water approval application be submitted to Northern Health to determine if Charlie Lake is a viable option as a water source for the feasibility study.

BACKGROUND/RATIONALE:

On January 27, 2021, the Director of Electoral Area C and PRRD staff held a telephone discussion with representatives from the BC Ministry of Forests, Lands and Natural Resource Operations and Rural Development (FLNRORD) representatives to discuss the process for obtaining a water license to use Charlie Lake as a potable water source for a bulk fill service station in Charlie Lake. FLNRORD stated that in order to obtain a water license, an application would have to be submitted through Front Counter BC. In order to submit an application, a feasibility study would need to be conducted in order to determine the mandatory information that is required as part of the application process.

Prior to submitting an application to Front Counter for a water license, source approval from Northern Health is required. As part of the application process, water quality data must be submitted with the application. In conversations with Northern Health, it was suggested that source approval for Charlie Lake be acquired before undertaking the feasibility study. This would help inform the parameters of the study.

The purpose of conducting the feasibility study will be to identify:

- Potential potable water sources;
- Potential locations for the bulk fill station;
- Potential treatment options for each source identified;
- Capital Costs, and Operation and Maintenance costs for each option;
- Volume of water diverted per day;
- Whether or not water will be stored to be used during times that the source is unusable (ie – high turbidity);
- Legal description and tenure of the land where the water is to be used (legal description, PID, or description if the land is un-surveyed);

- A description of the project or water use scheme;
- Legal land description and land tenure for all lands on which works will be constructed; and
- A detailed description of the proposed works (e.g. diversion structures, pumps, pipelines, irrigation system, and reservoir).

ALTERNATIVE OPTIONS:

1. That the Electoral Area Directors Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Not Applicable to Strategic Plan.

FINANCIAL CONSIDERATION(S):

If a feasibility study is approved, a report will be brought to a future Rural Budgets Administration Committee to allocate funding for both the feasibility study and source water approval for Charlie Lake.

COMMUNICATIONS CONSIDERATION(S):

None at this time.

OTHER CONSIDERATION(S):

Anticipated timeframe to be ready to go to referendum for an Area B Water Service Function is at 18 months. If the referendum passes, there will be a minimum of two more years before the station is constructed and operational.

External Links:

1. FLNRORD - [Water Licenses & Approvals](#)
2. FLNRORD - [Water Applicant's Agency Resource Guide](#)
3. Northern Health – [Source Water Approval Form](#)
4. Northern Health - [Required Water Quality Parameters](#)