



Date: April 10, 2024
To: Municipal Council
cc: Kim Ramsay, Chief Administrative Officer
From: Sandra Garden-Cole, EH Source Water Protection Committee Chairperson
RE: **EH Source Water Protection Committee Report**

The Committee held its regular meeting on April 10, 2024 electronically via Zoom.

Lorne Johanson, Environmental and Industry Instructor, presented on “Waterborne Diseases” via PowerPoint Presentation.

The presentation focused on two organisms that are resistant to chlorine disinfection - *Giardia lamblia* and the more severe, *Cryptosporidium parvum*. These form waterborne diseases (Giardiasis and Cryptosporidiosis, respectively) which are sourced from bacterial pathogens primarily from animal feces. The presentation stimulated further questions and discussions specific to our source waters.

Ms. Chelsea MacPherson presented and discussed the source water sampling results from 2023 for Grand Lake and Shubenacadie. Grand Lake elevated results for bacteria were discussed but were not a cause for concern.

Ms. Chelsea MacPherson noted potential academic partnerships; one with DFO sampling in Grand Lake for invasive zebra mussels and the other with Nova Scotia Community College (NSCC) and the impacts of climate change on residential wells in Shubenacadie.

Ms. Chelsea MacPherson provided an update on the wetland vulnerability tool and recruitment for the source water protection advisory committee’s vacant positions.

There are no motions coming forward as a result of the meeting.

As Chair of the Committee, I move the adoption of this report.