

From: [REDACTED]
To: [+WPG725 - Clean Environment Commission](#)
Subject: RE: Sio Silica Sand Project in Vivian
Date: March 19, 2023 8:20:11 PM

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Karen Lalonde

Mar. 19, 2023

Sio Silica has not provided any history of projects they have worked on. In addition, the procedure for Vivian is experimental lifting sand through our aquifers. This is the only source of drinking water for residents of numerous municipalities. The only assurance that our water won't be contaminated is the word of the company that rightly is driven by profit.

Over the course of a week's hearings, many independent engineers and scientists have voiced their concerns (Dennis LeNeveu, Arcadia, Porous Tech, S.S. Popadopoulos & Assoc. Inc., Dr. Eva Pipp etc.). Many residents have spoken out stating that solar panels, batteries may be part of our future but destroying the eco system and water supply is a poor tradeoff if environment is our number one priority.

Sio Sands admitted that some collapse of the overlaying strata may occur but collapse is expected to be limited. This is not data but an assumption. It is also not known if climate change will bring dry or wet conditions. It has been stated that 32M. gallons of water will be lost yearly. Will there be sink holes from extracting 1.36 tones of sand per year? Arcadia has stated that calculations on the processing facility under estimate emissions by three orders of magnitude. Porous Tech stated that well logs show a range of sand colors other than the high white purity. This sand will go to respective markets outside of the "green" industry. There were insufficient numbers of samples and lack of duplication of materials. Sio silica has no plan to manage waste from operations. There was no consideration given to the elimination of old growth and vegetation for mine sites and operations or the loss of a system for carbon sequestration.

One only has to look at countries, such as China, to see the devastation of their land and environment in the name of industry. Is the province willing to pay thousands of residents whose water source is destroyed for profit? Again I state, this is an experimental process that has only been used in a table top exercise and the company can't provide any history of any project. Please take your decision seriously. This could be a serious black mark on the Board and the Government of Manitoba.

Thank you for reading this brief commentary.

Sincerely,
Karen Lalonde