

From: [REDACTED]
To: [+WPG725 - Clean Environment Commission](#)
Subject: Urge to Deny Sio Silica
Date: March 24, 2023 9:33:31 AM

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To whom it may concern,
As a resident of Southeast Manitoba, I urge you to deny the Sio Silica project an Environmental Act License.

Sio Silica Corp has failed to win the confidence of the community.

From the 3 public sessions made available to the public, concerns and questions ranged from:

the non-ethical use of a freshwater source;

unreasonable threat to a storehouse of our most important resource - Water;

negative effects from the boom and bust inherent with mining;

recycle as opposed to new production of non-renewable resources;

concerns over the use of the "room and pillar" mine method;

not proven in use in a sand aquifer;

accuracy of their advertising campaign;

the lack of open and transparent dialogue from the company;

no financial statements - unknown if capable of supporting a multimillion-dollar insurance coverage;

bankruptcy concerns;

unsealed extraction wells;

uncovered silica piles;

mistrust in regulatory body ability to monitor and enforce the project;

24/7/365; noise, light, air quality, health, and privacy concerns from the mining operations, clear cutting, and the monitoring of slurry/ return lines;

rural landscape changing to an industrial zone;

quality of life; basic right to the peaceful enjoyment of property;

impacts to wildlife, farm animals, vegetation, forests;

health concerns;

lack of details in the proposal and follow-up, mitigation and monitoring plans;

poor environmental assessment proposal and licensing process;

concerns over impacts from mineral claims on private property, insurance, liability, future land use, and more.

Students from Seven Oaks Met School, the first Big Picture School to open in Canada questioned “why a project of this magnitude, with so little information and data on the environmental impact that is still in conceptual stages, is able to go through an environmental assessment.”

What the students picked up on and what Dr. Pip has written of in her submission, is the disinfection system is still at the conceptual stage. The system is where processed mined water is sterilized prior to injection back to the aquifer. This is a major component pivotal to the proposed project that should be thoroughly proven prior to beginning any exploratory mining, the assessment process and licensing. How can you review the project when major portions are missing?

What happened to all the millions of gallons of processed water already injected back to the aquifer? Sio Silica responded to public comment #218 - “Re-injected water was treated with chlorination in accordance with Can White's application for the re-injection permit. Monitoring data was collected and would be made available to regulatory authorities upon their request.” Injection Permits granted to Sio Silica or any of their previous incarnations DO NOT identify any requirement for chlorine use.

During the CEC Information Requests(IR), Participant D. LeNeveu questioned further and was responded with “Sio did not find any specific requirements for treatment of water returned to the aquifer and proposed 10 mg/L as a conservative approach.”(DLN-IR-002). How was this measured and monitored? “Sio declines to respond based on the relevancy.”

IT IS RELEVANT as Dr. Pip explains “For injection wells, remarkably, re-injected water was treated with ad hoc chlorination. Form of chlorine, method of delivery, dosage, volumes of chlorinated water injected into the aquifer, and monitoring results are not disclosed. Since dissolved organic matter is present in the groundwater, harmful chlorinated byproducts can result and can continue to form in the aquifers after chlorine introduction.” (p.11)

For further details on water quality and other impacts associated with the proposed project please see Dr. Pip’s written submission. Her thorough work will help you understand negative project impacts.

My family and I do not you want to risk the contamination of our precious water supply and impacts to the land and air

Thank you for your consideration,
Pierrette sherwood

