

From: [REDACTED]
To: [+WPG725 - Clean Environment Commission](#)
Subject: Sio Silica sand extraction
Date: March 19, 2023 10:34:00 PM

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Dear Sir, Ms, Miss: my name is Jerry Carriere and I wish to express my vehement opposition to this ill conceived project. I'm neither an academic or engineer and even I can see the folly of this venture.

If I understand this correctly in simple terms, Sio Silica plan to risk our drinking water and surface infrastructure on "pillars" of sand holding up the aquitard and shale after they remove a small mountain of silica sand. Any 5 year old playing at the beach will tell you what happens to a pillar of sand with water present. This would leave the aquitard and shale unsupported and a failure would be imminent causing a grade deflection at the surface. This may not occur, in my or even my children's lifetime, but sure as God made little green apples, it will fall. Even a few centimetres of surface deflection would have devastating and irreversible effects on aqueducts, pipelines, rail beds, hydro electric towers and as any prairie farmer can attest too, a few centimetres of grade deflection can mean the difference between viable, productive farmland and a swamp. I urge you not to allow this project to proceed. No dollar figure can be put on the value of land and clean drinking water.

Thank you for listening

J. Carriere