

UPDATE ON CAN WHITE SANDS PROJECT IN VIVIAN, MANITOBA. Those in opposition do have valid reasons for not wanting silica sand extraction to occur in their respective municipalities.

Here is What Our Science Researcher Discovered - It Has a Direct Bearing on The Proposed CanWhite Sand Silica Mining Project in Vivian Manitoba

The ARD plant in South Africa pumps water from abandoned gold mine cavities where acid is formed underground and is migrating to the water table mobilizing heavy metals. The acid is formed by oxidation of the sulphide ore body underground. This is underground formation of acid from aerated water that filled the mine. Sound familiar?? And AECOM does not have the experience or expertise to apply to the CWS project????

This is direct confirmation of underground in situ formation of acid and mobilization of heavy metals in mined cavities. AECOM designed the treatment plant that pumps water from the cavities and treats it.

The sandstone aquifer at Vivian is full of sulphide in the pyrite and marcasite so if acid and heavy metal mobilization occurs in South Africa in mine cavities surrounded by sulphide bearing material why not in Vivian area???

No discharge? Look at the picture below of the discharge ponds of treated acid water pumped out of the cavities

AECOM has the experience and knowledge about this. This is professional negligence and malfeasance

Here are the references

**Mining Review Africa
AECOM highly commended for Eastern Basin Acid Mine Drainage plant**

Feb 1, 2017

AECOM designed the plant for the Trans Caledon Tunnel Authority (TCTA). The Eastern Basin AMD plant is one of the largest high-density sludge (HDS) plants in the world, with a maximum treatment capacity of 110 MI/d.

AMD poses a major environmental threat on the Witwatersrand. The depletion of gold reserves in the area has meant a cessation of mining activities and related dewatering operations, which has resulted in the flooding of mining voids.

AMD is generated when ore and other sulphide-containing mining waste is exposed to oxygen and water. The water in the mining voids thus becomes acidic and contaminated with heavy metals.

The three 20 m long by 1 m diameter super duplex stainless steel deep-level abstraction pumps selected were installed from ground level down into the 370 m deep shaft, allowing for the abstraction of the AMD without having to re-establish underground workings.

<https://www.miningreview.com/products-services/aecom-highly-commended-eastern-basin-acid-mine-drainage-plant/>