Geosynthetic Clay Liners (GCL’s) are high performance environmental liners used in environmental containment applications. One truck load of GCL’s is equivalent to 150 truckloads of compacted clay.

Challenge
In early 2019, run-off water caused an area of the mine to flood. Due to this challenge, water needed to be diverted from that area to a cofferdam. To make this task even more of a challenge, the presence of high groundwater created saturated soil conditions.

Solution
Nilex built two swale-ditches to divert the water, and Geosynthetic Clay Liners (GCLs) product was pre-specified by the consultants. GCLs consist of two layers of geotextiles surrounding a layer of low permeability sodium bentonite, needle punched together for better internal shear resistance.
The Nilex Advantage

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Nilex is committed to unearthing better results. Whether it’s for a civil, resource or environmental project, we offer the latest engineered and technically superior materials and techniques to save our customers time and money, and minimize the need to move or remove earth, and reduce the need for granular materials.

With over 40 years experience, a long-standing commitment to the environment and highly qualified staff, Nilex delivers the products and technologies that give clients an economic advantage with environmental benefit.

Detour Gold GCL's Installation

Results
Nilex provided on-site consulting, quality assurance, installation labor and technical support. With hard work, determination and excellent communication with the client, the team met the schedule demands and the water channel was diverted in 21 days.

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