

CANADIAN SHIELD CONSULTANTS AGENCY AND PREMIER TECH AQUA

Major Wastewater Treatment Breakthrough in the Mining Industry

Canadian Shield Consultants Agency (CSCA) was created in 1996 operating from St-Charles under the direction of the CEO Gerry Dignard and his team of certified professionals. Engineering staff (P.Eng./B.Eng.) Licensed and Accredited "Designer and Installer". CSCA can offer their professional expertise a turn-key solution to wastewater and sewage. CSCA turned its attention to the wastewater and process water treatment options for Ontario's mining sector. Recently installed our first "Mobile Treatment System" for Gold Canyon in the Ear Falls area. Having assisted companies such as Rubicon Minerals Corp., Lakes Shore Gold Corp., Quadra FNX Mining Ltd. First Nickel Inc., North American Palladium. CSCA is also a provider of site, soil and water contamination rehabilitation, water safety, biosolids uses in the agricultural industry, sales and service of a variety of wastewater treatment systems. CSCA is now working with Waterloo Biofilter Systems to complete the spectrum of sewage flows for remote mining and exploration sites, and especially with the transportable, re-locatable systems that Waterloo has pioneered. Portable or containerized Waterloo systems are used in the far north at temporary & permanent oil drilling and exploration camps, using their patented low energy biofiltration technology suitable for remote locations. Fully assembled containerized modules can be installed in parallel to scale up for larger flows. For smaller fly camps, the new 'cassette' system can be slung by helicopter from camp to camp to meet the most stringent MOE sewage requirements. CSCA is able to provide and manage the best sewage treatment for your camps, leaving you to concentrate on mine findings. CSCA is now offering a technology powered by O3zomax in developing comprehensive packages wastewater treatment systems to deal with mine process or other high strength wastes. "Canadian Shield Consultants Agency Mining Breakthrough," recently

received approval from MOE to install five Ecoflo mobile systems for mining camps in Northern Ontario. Over the past two years, mining research and operations in Ontario has skyrocketed. This newfound surge can be seen more particularly in the Great North region known as the Ring of Fire. In an effort to find wastewater treatment solution, some mining companies approached CSCA however several limitations had to be taken into consideration; surface disposal had

to be used (unfavourable soils). There was a risk of deep freezing temperatures, disposal standards were very rigorous and transporting the systems to the camps was a problem (ice roads or airplane). Following several studies and analyses CSCA requested the MOE approval to install an Ecoflo treatment system, MOE gave its consent. Canadian Shield Consultants has covered Ontario from border to border and has clients in many parts of Canada.



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Sewage Treatment Wastewaters utilizing Peat Moss Technology

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- In-depth property assessments, consultations and reports
- Licensed and accredited designers and installers under *Ontario Building Code* and *Ontario Water Resources Act* (MOE)
- Approved designer/installer/service-after-sales provider of Ecoflo Biofilter peat moss treatment systems
- Accredited designer/installer/distributor of the O3zomax treatment system
- Accredited designer/installer of Waterloo Biofilter
- Distributor of quality polyethylene septic/holding tanks, effluent filters and wastewater treatment components and EZflow drainage products

High Strength Wastewaters Treatment powered by O3zomax



Big or small, Canadian Shield Consultants Inc. is committed to service delivery across Ontario and Canada.