



**MAINSTREAM'S BIOFILTRATION RECEIVES ETV CANADA VERIFICATION
FOR CYST REMOVAL FOR DRINKING WATER TREATMENT SYSTEM**

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Regina SK— BLOOM Canada, formally ETV Canada has completed its ETV Performance verification process for the cyst removal by Mainstream's Modified Slow Sand Filters (BioSand) and Biological Active Carbon Filters (BioCarbon).

The ETV Verification results confirm that the BioSand filter removes in excess of 2 logs (99%) of cryptosporidium sized cysts and that the BioCarbon filter exceeds 1 log (90%) for similar cysts, when operated under typical Western Canadian water conditions.

The Mainstream system is the only BioFiltration drinking water treatment system that has achieved ETV verification for cyst removal.

Bloom Canada is a Canadian Federal Agency, which conducts independent verification of the performance of Environmental technologies for applying organizations. The ETV verification standard is widely accepted by drinking water treatment plant designers and regulators when determining and approving appropriate drinking water treatment plant design standards.

Cryptosporidium cysts are regarded as the most difficult to deal with for most treatment processes. Performance at the above levels indicates that these standards would far exceed the requirement for other cysts and similar other water borne biological threats.

The ETV Verification Technical Sheet issued by Bloom which summarizes the verified performance testing program can be found at:
<http://www.etvcanada.ca/English/VerifiedCompanyList.aspx>.

MAINSTREAMS BIOFILTRATION BASED TREATMENT SYSTEM

Mainstream's BioSand and BioCarbon filters are part of Mainstream's BioFiltration system. These filters, as tested by ETV have been installed in numerous municipal, commercial and residential drinking water projects across Western Canada in recent years. Mainstream's BioFiltration system achieves ETV standards without the use of chemicals, membranes or pressurized chambers, and is unaffected by electrical power outages.

In addition to the BioSand and BioCarbon components, auxiliary treatment components can be added to enable the system to meet extremely high performance standards on the most challenging Surface Waters, and Groundwater Under Direct Influence (GUDI).



Auxiliary Mainstream components may include Mainstream's Roughing Filters, Pre and Post Ozone, Ultra Violet Lights as well as other non Mainstream components if required.

For ground water applications other components may include Mainstream's Roughing filter, specialized Arsenic and Uranium filters and other non Mainstream components if required.

Mainstream has BioFiltration treatment models to produce 2-1,000 meters/ day (440-220,000 IGPD). Therefore it is suitable for small and medium sized communities, rural residents, farms, and commercial applications.

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For more information about Mainstream's chemical-free systems, contact us at www.mainstreamwater.com, (306) 761-5000 or toll free 1-866-274-9789.

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