Manz Engineering Ltd.
Calgary, AB, Canada,
Tel: (403) 889-4562
Email: davidmanz@shaw.ca
Web site: www.manzwaterinfo.ca



MEL-BF and MEL-PF filters treat:

- Surface water (lake, river).
- Ground water, springs or wells, including those under direct influence of surface water (GWUDI).
- Rainwater.

alone or together with other processes to satisfy

Canadian Drinking Water Guidelines.

Applications include:

- Pathogen removal.
- Sand and silt removal.
- Colloidal particle removal.
- Algae removal .
- Iron and manganese removal.
- Iron and sulphur reducing bacteria removal.
- Removal of arsenic and other heavy metals.
- Turbidity reduction associated with removal of particulates (suspended solids).
- Colour reduction associated with removal of particulates.
- TOC reduction associated with removal of particulates.
- Pre treatment for processes such as those that remove nano particles, dissolved substances, toxins and DOC.

Piloting always recommended.

Advantages of the MEL-BF and MEL-PF

- Practical for use in small and/ or isolated communities throughout Canada.
- Guaranteed performance when piloted.
- Low capital cost.
- Operated on demand basis.
- Simplicity of operation.
- Maintained using backwash. (Filter sand is not lost, lasts indefinitely and is not replaced.)
- Minimum production of wastewater.
- Wastewater easily disposed of or recycled.
- Elimination of air-binding.
- Short-circuiting is not possible.
- Minimum operating costs.
- Minimum operation training.
- Minimum operator attention.
- Minimum maintenance requirements.
- Minimum use of chemicals.
- Minimum energy requirements.
- Fixed or mobile installations.
- All filter operations performed external to filter.
- Manual or automatic operation and maintenance.

Sustainable. Environmentally sensitive. Resilient.

Manufactured in Alberta.

October, 2026

Manganese Removal





Iron, Manganese and H_2S Removal




Iron and Arsenic Removal







Remote WTP in N. Manitoba Pre-treat Lake Water for Removal of DOC by Nanofil-tration





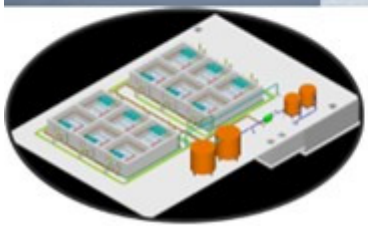


Access by air and ice road.



Iron, Manganese and H_2S Removal with Wastewater Recycling





Treatment of River Water





Small and remote communities throughout Canada.

Manufactured in Alberta.

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