

Program: Reed Bed Septage Dewatering Pilot Project

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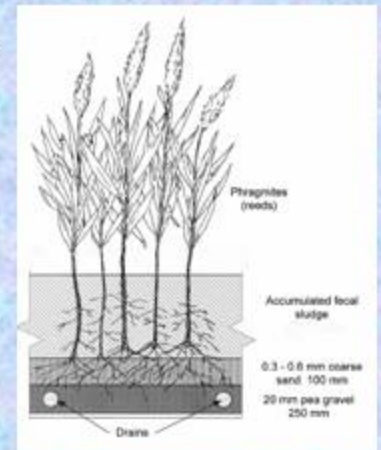
In Partnership With
René Goulet Septic Tank Pumping



Program Outline

1. 3 Pilot Filters, 2500 m³/year (500,000 gallons/year) constructed spring 2006.
2. Comprehensive evaluation program for solids, nutrients, pathogens and metals (2006-2008)
3. Comparison of reed bed filter to sand bed filter
4. Characterization of plant effects

Vertical reed bed filters and sand drying bed filters are simple technologies which can be used to dewater septage. Reed Bed Filters have a further advantage that they can stabilize the solids into an odorless – pathogen free organic fertilizer similar in quality to an organic compost. Sand Bed Filters have the potential to stabilize septage solids to a quality similar to a digested sewage biosolids that is suitable for land application. Two pilot Reed Bed Filters and one pilot Sand Bed Filter are being constructed and evaluated for a two year period at the septage lagoon of Goulet Pumping in Green Valley, Ontario. Each filter will receive between 1-2 loads of septage per week (12,000-24,000 L/week).



Support and Funding By:



Eastern Ontario Water Resources Committee /
Comité des ressources en eau de l'Est de l'Ontario

Community Benefits Include: Cost effective septage treatment alternative appropriate to Canadian climate, Improved water quality, Odor control, Low operating costs