

# Phosphorus Filter Project

Vince Murray

Alberta Agriculture and Forestry, Barrhead, Alberta

[Vince.murray@gov.ab.ca](mailto:Vince.murray@gov.ab.ca)

Oklahoma State University has developed a software package (Phrog) capable of designing landscape scale filters for the removal of dissolved phosphorus from runoff water. Phosphorus binds to the filter media as the runoff water flows down through the filter. Alberta Agriculture and Forestry intends to construct a filter as a demonstration project to determine the performance of a filter designed by Phrog in Alberta. Licenses and permits are being obtained with the intent of installing a filter this year.

## Key Points:

- A filter designed using software from Oklahoma State University will be used to design a filter for removing dissolved phosphorus from runoff water.
- A site in Southern Alberta has been selected for use in determining the suitability of this technology in Alberta.
- Installation of the filter is planned for 2017.