

For further research on the filtration of mixed-media bed, the following studies are recommended.

- 1) The efficiency of removing virus and bacteria should be investigated to obtain the best quality of filtrate.
- 2) The optimum effective size and depth of each layer should be studied for specific purpose.
- 3) The mixed - media bed should be performed on the plant scale filter.
- 4) Polyelectrolyte as coagulant aid or filter aid should be compared with the use of alum alone to find the least cost for water treatments.