



# Delta Environmental™

## Pentair Water

September 5, 2012

Marcia Degen  
Environmental Technical Services Administrator  
VDH - Office of Environmental Health Services  
131 Walker St.  
Lexington, VA 24450

RE: ECOPOD sampling protocol

Ms. Degen,

Delta Environmental recommends taking the effluent sample between the ECOPOD reactor tank outlet and the pump tank, or as it cascades into the pump tank for the best representation of treatment unit performance. In Virginia most pump tank installations do not allow for a riser to ground surface on the inlet side of the pump tank, so a sample port/box between the ECOPOD and pump tank is the best solution. On a gravity system a sample port/box can be located on the discharge pipe leaving the ECOPOD reactor tank. We also recommend allowing the effluent to run through the piping for a minimum of two minutes in order to clear any residue that may be sitting in the pipe.

If a simple annual compliance sample needs to be taken by a homeowner it can be taken out of the discharge end of a pump tank if that economically makes sense, but it will not be the best representation of the treatment unit's end-of-pipe performance.

Please contact me if you have any questions.

Sincerely,

Tim Smith  
Eastern Regional Sales Manager