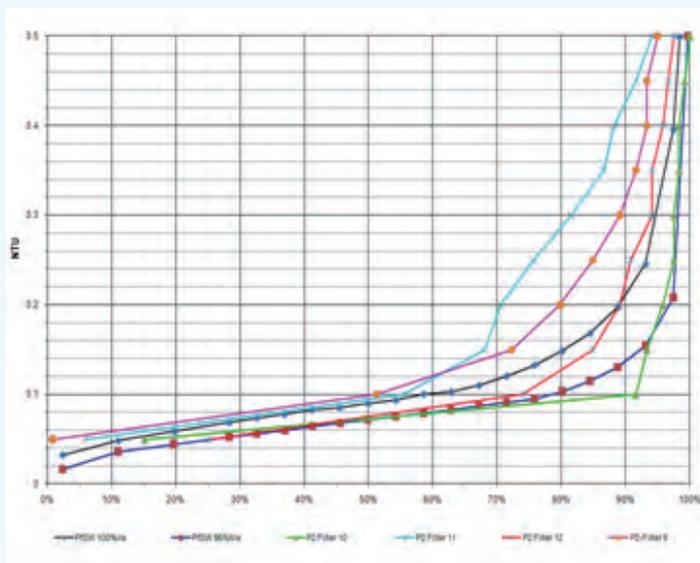


Assess the Performance of Your WTP with WTAnalysers

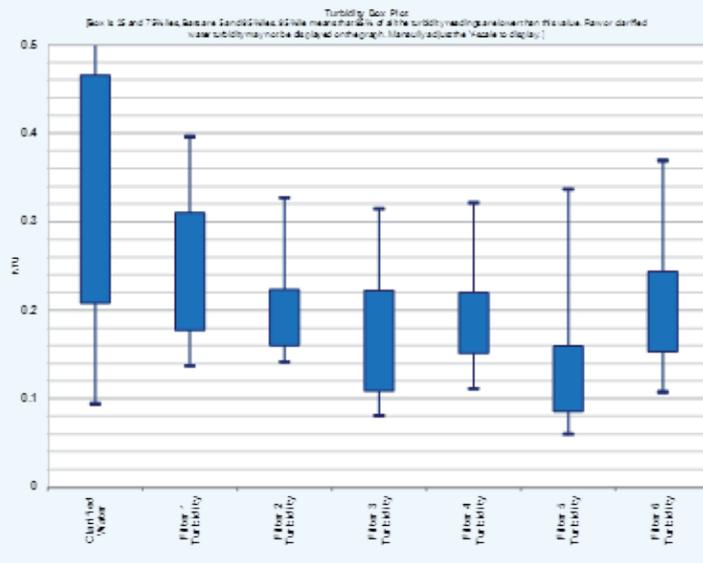
The 2011 version of the Australian Drinking Water Guidelines (ADWG), contains guideline values for the turbidity of filtered water produced by individual filters.

The Water Treatment Alliance and the Water Services Association, with support from the Victorian Department of Health, have developed some Excel based software tools to allow Water Utilities and Water Treatment Plant (WTP) operators to assess the performance of their plants at the two key control points for pathogen control, namely media filtration and chlorine-based disinfection.

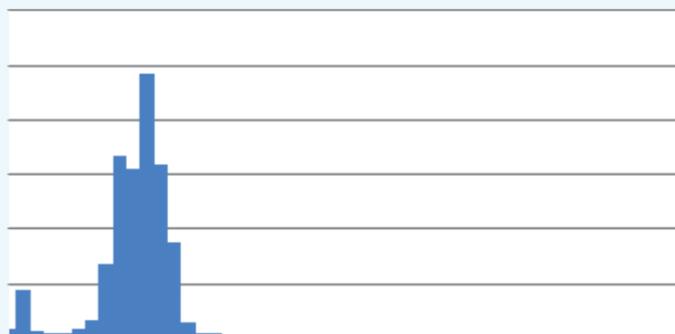
The two WTAnalyser tools are also now available for download from the WIOA website. The input requirements for the tools are a SCADA system at the WTP that logs filtered water turbidity and chlorine residuals (and pH). The turbidity, chlorine residual and pH data is imported from the SCADA system to the appropriate WTAnalyser tool for whatever period you have chosen. This could be a week, month or even a year. The tools display the performance in an easy to understand graphical presentation, suitable for detailed interpretation by WTP operators and managers, or General Management teams and Boards.



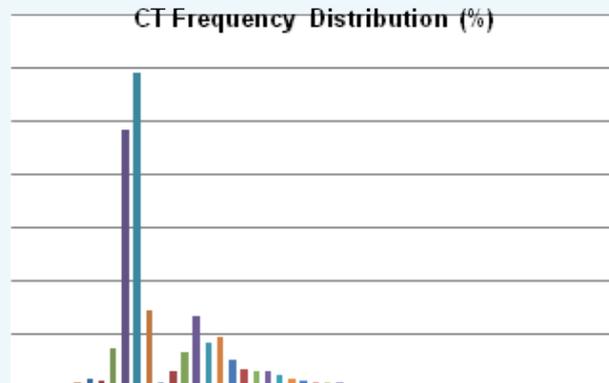
Filter Control Point Performance



Free Cl₂ Frequency Distribution (%)



CT Frequency Distribution (%)



Disinfection Control Point Performance

The Victorian Department of Health has already provided these analysis tools, free of charge, to Victorian Water Utilities, as a forerunner to potential performance monitoring standards that are likely to commence in mid 2015.

When you download the files, do not open them directly from the download, but rather save them to a directory. We know some systems have had trouble opening them when opened directly from the download.

WIOA strongly encourages you to download these tools for use at your WTP. Download the files, download some data from your SCADA system, and see how your filters are performing against the ADWG guideline values or your own internal targets. If you have any problems just contact us here at WIOA.

Peter Mosse
WIOA Technical Advisor