

Yorkshire Water acquires **Strathtox™, Strathkelvin's latest precision respirometer, to monitor bacterial performance of a new hi-tech pilot plant.**

Yorkshire Water has a large Waste Water investment programme to deliver the requirements of the Freshwater Fish Directive over the next five years.

In order to achieve the high effluent quality required at various sites, including Esholt (main Bradford site), Knostrop (main Leeds site), Huddersfield and Mitchell Laithes (main Dewsbury site), several large new activated sludge plants will be built.

It is intended to pilot the process at each of these sites to provide appropriate design parameters and Yorkshire Water have purchased the Strathtox instrument to assist with data collection on the plant's bacterial performance during the piloting.

Jeff Holmes, Process Optimisation Manager for Yorkshire Water says "The instrument will provide data on activated sludge health, oxygen uptake rates, nitrification inhibition and respiration inhibition and will more than pay for itself over the planned experimental programme. The data provided will also be more appropriate as any test is completed usually well within an hour of the mixed liquor sample being taken so it will not suffer from sample deterioration during transportation to the lab, which can be important with this type of analysis..."

"... The unit is readily transportable so it can be moved from site to site for analysis as required. This is important not only for the piloting programme but for the ongoing monitoring of the new plants once built."

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