

# The Science of Optimising Wastewater Treatment



**Strathtox™**  
Respirometry made simple!

## PROTOCOLS

Strathtox™ is supplied with software for:

- Respiration Inhibition Tests
- Short-term BOD
- Sludge health monitoring
- Critical Oxygen Concentration Point Analysis
- Nitrification Inhibition Tests
- Nitrification Status
- Customer Designed Respirometry (OUR and SOUR) Tests

Wastewater treatment is a costly activity and even though a plant may be compliant, optimising these costs is a key driver for all types of business.

Traditional M&E methods can only go so far, whereas using the science of microbiology allows plant operators to focus on the key element in secondary wastewater treatment process, that is, the bacteria that biodegrade the wastewaters feed to them.

Strathtox provides an innovative method of determining how healthy your bacteria are, whether they are inhibited or not, the level of nitrification in your plant, the air they need and the key factors that will allow you to further optimise the costs of operating your plant.

To allow you to see how Strathtox would benefit the operation of your plant Strathkelvin offer a **FREE** on-site assessment of your own bacteria so call us on **01698 730 400** or email [info@strathkelvin.com](mailto:info@strathkelvin.com)

## APPLICATIONS

Strathtox™ is in use worldwide in the following wastewater treatment plant applications:

- Toxicity management
- Nutrient deficiency assessments
- Nitrification management
- Trouble shooting
- Plant specification and design
- Aeration efficiency optimisation
- Bio-augmentation requirements
- Ensuring environmental compliance

**Strathkelvin Instruments**

[www.strathkelvin.com](http://www.strathkelvin.com)

