



Sensors for Nutrient Monitoring: Phosphate

23rd October 2013

The View, Thames Barrier, 1 Unity Way, Woolwich, London SE18 5NJ

Nutrients are common chemicals in all types of water and can cause various problems where they exceed normal levels. Ammonia and nitrate can be measured using a variety of techniques with instruments available for different situations. The main focus of this workshop will be on monitoring phosphate using sensors. The options for phosphate monitoring are more limited and it is usually measured using sampling and laboratory analysis.

This is part of a series of 'back to basics' workshops and will look at phosphate measurement, bringing together users, manufacturers and research groups to discuss some exciting sensor developments and explore the use of instruments for field and on-line monitoring.

Chair: Andrew Chappell, Environment Agency

9.30 Tea, Coffee & registration

10.00 Introduction. Chairman, Andrew Chappell, Environment Agency

10.10 The business and regulatory drivers for the greater use of Sensors for Nutrient Monitoring. Ian Rippin, Environment Agency

10.35 Phosphate Monitoring in the Wastewater Treatment Process, Tom Gilhesby, Thames Water TBC

11.00 Tea & Coffee

11.30 An Overview of Current Measurement Technologies for Nutrient measurement in water, Andy Hudson, Envitech

12.00 Nutrient Biosensors, The future of Environmental Monitoring, Guido Drago, GEM

12.25 MagMEMS Technology for Phosphate Detection, Peter Skipworth, EMS

12.50 Discussion & Lunch

13.50 High resolution monitoring of Phosphorous in lowland rivers, Andrew Wade, Reading University

14:15 Discussion

14.30 Tour of the Thames Barrier (Optional) Places are limited and assigned on a first come first served basis.

16.00 Close

REGISTRATION: The cost of attending the Workshop is £80.00 inc VAT for SWIG members. £145 inc VAT for non-members. Literature may be distributed for a fee of £60 and a limited number of table top displays are available at £115 each. Registrations can be made by Tel 01934 830658 or by email to rosa.richards@swig.org.uk or using the on-line booking form. **Please advise of any special dietary requirements at time of booking.** Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.