



# Coagulation Control in WTW

## 21<sup>st</sup> October 2020

### Webinar

Effective coagulation control is a vital step in ensuring the safety of potable water. Most natural waters sources will contain dissolved and suspended solids and failure to remove these contaminants can result in the spread of bacteria, algae and viruses. Cryptosporidium is a particularly nasty parasite that can cause severe diarrhoea illness and can even be fatal. It is resistant to chlorine and many other filtering techniques, and can be found in any surface water source, making efficient and effective coagulation control vital step in the process to ensure potability.

Removal of these particles is achieved by coagulation and flocculation. Coagulation is essential for good clarification and filtration performance in removing organic compounds. This workshop will explore current and new methods/technologies used for optimising and automatically controlling the coagulation process providing the water companies with the reassurance that their coagulation process is being correctly controlled.

A variety of measurements and methods are used to try to attain this goal in continuous automatic operation and these will be reviewed along with the practical experience of users.

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**Chair: Mike Sparrey, ABB**

- 13:00 Introduction by the Chairman, **Mike Sparrey, ABB**
- 13:10 Water company perspective on coagulation control, **Dr.Emma Sharp, Severn Trent Water**
- 13:35 Water company perspective on coagulation control, **Austin Wilson, Yorkshire Water**
- 14:00 Automatically optimise and control the coagulant dosing of a surface water treatment works. **Julian Edwards ABB Ltd**
- 14:25 Otterbourne WSW – optimising auto-coagulation to reduce whole life cost and water quality risks, **André Gaspar, Southern Water**
- 14:50 Compass EOR - a tool for minimising disinfection by products formation potential, **Tom Lendrem, Process Measurement & Analysis (PMA)**
- 15:15 Dosing optimisation. **Greg Wainhouse, Burkert**
- 15:40 Coagulation Control; before and after. **Dr Rob Paramore, Process Instruments**
- 16:05 Discussion & Close

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**SWIG REGISTRATION:** Thanks to sponsorship from Process Instruments we are able to offer free registration for SWIG members. Registration for non members is £60 inc VAT. Registrations can be made by Tel 01934 830658 or by email to [rosa.richards@swig.org.uk](mailto:rosa.richards@swig.org.uk) or using the on-line booking form.

**Cancellation policy:** Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.