

## AMMONIA MONITORING IN A WASTEWATER PLANT IN SOUTH EAST ENGLAND

### APPLICATION

Monitoring of Ammonia at the influent of a WwTP

### SECTOR

Wastewater

### PROBLEM

The customer needs a way to measure ammonia levels of the wastewater coming into the plant. This will allow them implement feed forward control of their process and to optimise the plant

### PRODUCT

MS3500 with 4-20mA output

### CUSTOMER

WwTP in S. E. England

### INSTALLATION DATE

2017

### INSTALLATION FACTS

After a successful 1 year trial, three units are being installed in the same WwTP. The first two units monitor two separate wastewater intakes, while the third monitors the point where they merge. The WwTP serves a population equivalent of 1 million people. Thanks to the MS3500 the operator of the plant will be able to better monitor the ammonia levels, identify where and when peaks occur and take appropriate actions. In terms of savings there's an expectation that



*Photo showing the MS3500, Ammonia Monitor for Raw Wastewater*

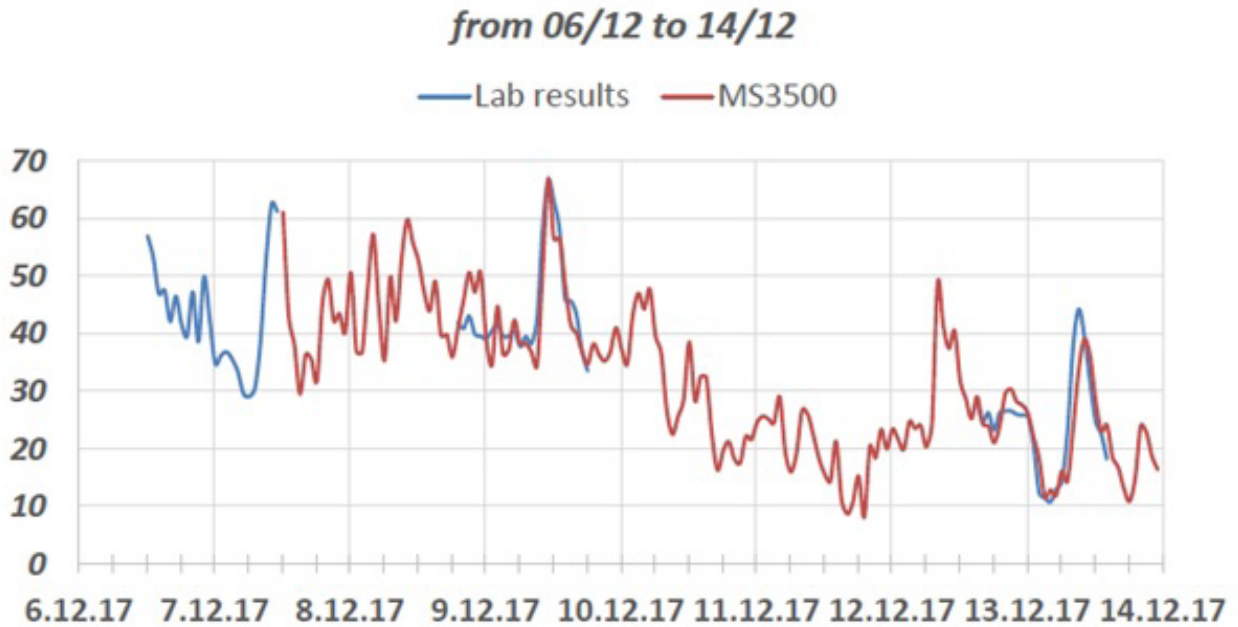
the improved process control will result in the instruments paying for themselves in less than 2 years.

Additionally the system will identify the timing of peaks to locate industrial dumping into the sewer network for prosecution of those responsible.

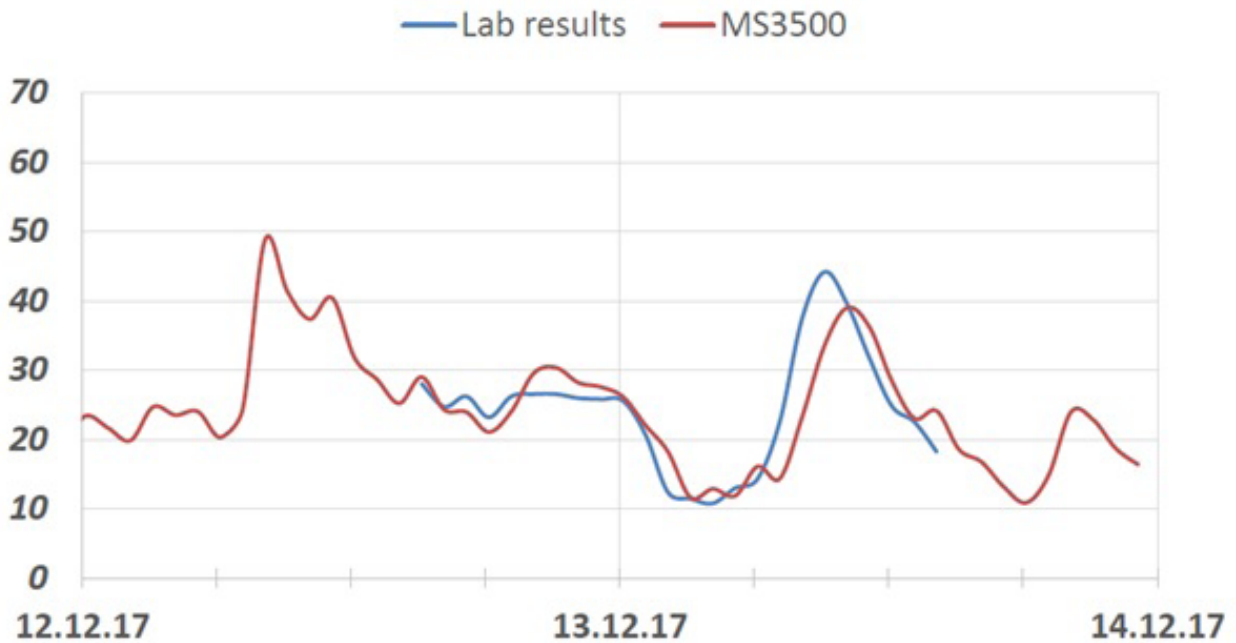
For more information please visit [www.multisensor.co.uk](http://www.multisensor.co.uk)

## GRAPHS

Comparison between Lab Results and the MS3500. Y-axis is ppm (mg/l)



Comparison between Lab Results and the MS3500. Y-axis is ppm (mg/l) , 2 specific days.



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