

Ammonia Monitoring in a Wastewater plant in South East England

Installation date: 2017

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



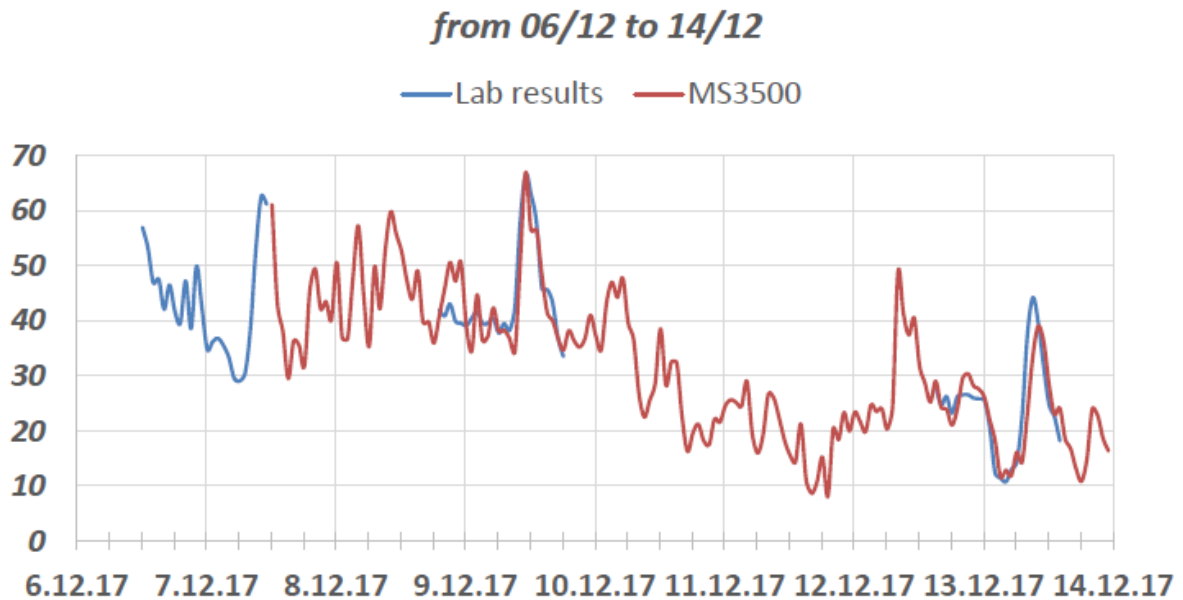
Photo showing the MS3500, Ammonia Monitor for Raw Wastewater

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 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.

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.

