

# Monitoring of Reservoir Feed for Hydrocarbon Contamination

## APPLICATION

Monitoring of rural watercourse feeding a small reservoir to detect contamination from farm or food processing facilities.

## CUSTOMER

Water Company, SW England

## PROBLEM

Persistent small contamination events had put the reservoir which feeds a drinking water treatment plant at risk. Low level contamination preceded a large event in late 2016.

## PRODUCT

MS1200 – Standard version, 4-20 mA with special tank for very high turbidity events.

## WHY MULTISENSOR?

The customer needed a system which was not affected by the high turbidity in the water source during heavy rainfall events. Additionally, Multi-sensor worked very closely with the customer to remove sample feed issues which were causing contamination of the sample.

## INSTALLATION FACTS

The instrument is installed in an outbuilding and

fed by a pump which is also used for other instrumentation. Water is analysed for hydrocarbons and VOC every 15 minutes and, if there is an increased level, the instrument closes a sluice gate via the Alert relays, diverting the contaminated water until the event has passed.

The MS1200 installed saved the reservoir from serious contamination during a large event which resulted in an alternative source being piped to feed the reservoir.

*Learn more on the new oil in water monitor and analyser by clicking on the image*



**A picture of the unit installed in the outbuilding. The unit controls a sluice gate which diverts flow away from the reservoir in the event of contamination.**