

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 analyzed 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 analyzer 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.