

Monitoring of Reservoir Feed for Hydrocarbon Contamination

Sector: Clean Water

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

Customer: Water Company, SW England

Installation date: 2015

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.



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

Product

MS1200-01-SYS – Standard version, 4-20mA with special tank for very high turbidity events.

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's 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.