

Monitoring a High Iron and Manganese Content Borehole for Hydrocarbons

Sector: Drinking Water

Application: Monitoring a borehole for contamination from a known petroleum spill

Customer: Water Company, UK

Installation date: 2014

Problem: The customer wished to monitor hydrocarbon levels in a borehole for drinking water. The customer had attempted to use a UV based system but found that the system would only last a matter of a few days before ferric and manganese deposits stopped the system from functioning

Product

MS1200-01-SYS – Standard version, 4-20mA

Installation Facts

The instrument was installed at the head of the borehole. Hydrocarbon levels less than 10ppb were present. The system was verified with Diesel Concentrations of 6 and 18 ppb were used to validate the operation on-site. The system has operated without failure since installation, showing the system to be immune from the effects of high iron and manganese content water.



The MS1200 Installed on-site