

Monitoring a High Iron and Manganese Content Borehole for Hydrocarbons

APPLICATION

Monitoring a borehole for contamination from a known petroleum spill.

CUSTOMER

Water Company, UK

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 – Standard version, 4-20 mA

WHY MULTISENSOR?

The MS1200 works very well at low ppb levels which are what is expected in a borehole and is insensitive to minerals in the water source.

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. These 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.

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



The MS1200 Installed on-site