

# 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*

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