Monitoring of a Borehole to Detect Potential Fuel Contamination

APPLICATION
Monitoring a borehole after a diesel spill to ensure the aquifer is not contaminated.

CUSTOMER
Water Company, England.

PROBLEM
The water company used a diesel-powered pump, and this led to a spill from the storage tank. The company wants to ensure that the area has been properly isolated.

PRODUCT
MS1200 – Standard version, 4-20 mA and relay output

WHY MULTISENSOR?
The customer had used Multisensor at another site and due to the positive experience gained there knew that the product was reliable and accurate.

INSTALLATION FACTS
After the spill, the area was isolated with a barrier and the water company wanted to be sure that no diesel had reached the aquifer. A few months after the installation, the system started to give high readings of VOCs, however, no diesel was found. After extensive research, two other specific solvents were identified in the aquifer (4-chloro-2-methyl butanol and 2-methyl-4-bromo butanol).

The water from this aquifer is no longer used to supply the water plant and the company has avoided sending contaminated water into its network.

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

A picture of the unit installed in an outbuilding next to the borehole.

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