

MS1200 Oil in Water Monitor Protects Water Treatment Plant from Spill

In November 2018 a Multisensor MS1200 was responsible for saving a water treatment plant in the UK from the disastrous consequences of a Kerosene spill entering the works.

The monitor, installed in October 2014, is located at an intake from a canal which is used to serve a treatment works a few miles away.

The original spillage was from a ruptured heating oil tank. The oil entered a local water course and then travelled downstream to the canal. After entering the canal the oil then travelled a further 3.5 km, undetected, until it reached the intake at 20:30 approximately on 11th November 2018.

The MS1200 is connected directly to a bank of relays which switched off the pumps.

The result of this was that although the intake and its sump, from which the water is drawn needed to be cleaned, causing the intake to be out of action, neither the pipeline to the treatment works, nor the works itself was damaged by the incident.

Multisensor is now working with the customer to further improve the installation during the time the intake is closed for a clean up.

Two further systems will be ordered by the customer in 2019 to upgrade protection of their system.

The response of the system is shown below. The level would have continued to rise had the pumps not been turned off quickly.

