MONITORING FOR VOCS IN WATER RECLAIMED FROM A PETRO-CHEMICAL PLANT

SECTOR
Clean Water

APPLICATION
Monitoring of river water intake to detect hydrocarbons contamination from accidental spill

CUSTOMER
Water Company, North of England

INSTALLATION DATE
2014

PROBLEM
In early 2013 there was an oil spill into the river from a local petrochemical plant. The water company that abstracts water from the same river was hit with high levels of hydrocarbons and this lead to a halt in the production and to high costs due to the replacement of filters, pipes and cleaning operations.

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

INSTALLATION FACTS
The instrument is installed in an outbuilding at around 70m from the river from where the water is taken. Water is analysed for hydrocarbons and VOC every 15 minutes and, if there’s an increased level, an alarm is triggered and action is taken. Since the installation the system has protected the water plant on two occasions.
GRAPHS

Gasket leakage was found on 10/23, but a small amount of leakage was detected on 10/18

11/11 Process Abnormal: Ruptured Discs were not cleaned in Time and Caused Pollution